



SECRET OF

DURABILITY  
SAFE  
STRENGTH  
SUSTAINABILITY  
QUALITY  
TRUST  
ECO  
FRIENDLY

.....  
ENGINEERING BOOK  
.....

PROTECTING YOUR DREAMS SINCE DECADES



## **VISION**

To continuously grow by serving the needs for strong, safe and sustainable infrastructure.

## **MISSION**

To inspire development of the best civil construction, & offer high quality products for achieving the same.

# Core Values

## People – the Real Assets

- We will build a team of motivated people and will be known by such Team
  - We will respect our people, motivate them to perform better, reward their contribution and promote their well-being
- 

## Customers' Happiness

- We will establish a distribution network that helps improving lives of our customers
- 

## Stakeholders – our Partners

- We will respect the interests of our stakeholders and be responsive to them
- 

## Best Delivery

- We will always offer outstanding products and support services
- 

## Social Cause

- We will be good citizens and fulfil our social responsibilities

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# **about Us**

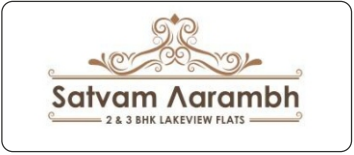
Cemseal Industries Limited is a company established with an object of manufacturing and dealing in Construction Chemicals. The Company has begun with a clear focus on its goal, mission and core values with an aim to be a serious long term player in the field of Construction Chemicals. The Company's plants are located at Plot No. C1/B 96-97, GIDC Industrial Estate, Kalol, Panchmahals : 389 330 & Plot 30, Marbel Market, Sejbahar, Raipur : 492015. It is engaged in manufacturing various types of Construction Chemicals in liquid as well as powder forms. The Company's product portfolio of over 50 products comprises various Admixtures, Tile Adhesives & Grouts, Waterproofing Chemicals, Wall Putty, Protective Coatings, Block Jointing mortar and Foundation Chemicals.

The Company has acquired 'CEMSEAL' brand and other trade names from Cementone (India) Ltd. together with the technology for manufacturing Construction Chemicals. Cementone (India) Ltd. had earlier acquired such technology from Cementone Ltd. (U.K.) and Bever Ltd. (U.K.). The process and technology developed by U.K. companies have been proven for over 200 years which gives an edge in developing market for its products. The Company has therefore adopted a punch line – “Building on over 200 years’ experience”





# Cemseal's Esteemed Customers & Projects



& M A N Y M O R E . . .

# Testimonials



Hats off to Cemseal for the product NSA Gold. I could fix a stand-alone 8 ft x 4 ft porous designer marble on the outer wall without any support for a well-known builder's home. A big brand in the same field failed to do so earlier. Received a big contract because of this feat. Thank You, Cemseal!

- **Narendra Prajapati, Engineer, Kalol, Gandhinagar, Gujarat.**



We used 500 drums Barsol of Cemseal for anti-corrosive treatment of iron bars for a reputed government project. We are extremely satisfied with the result in terms of coverage, quality and service. Indeed, value for money. We have decided to use the same product and other products of Cemseal in all our future projects

**Shoaib S Vaja, Site Supervisor, Somnath Sanskrit University, Veraval, Gujarat -**



Cemseal is the only company that I have come across that provides fibre reinforced NSA for flooring(NSA Bronze) at a reasonable rate managing superior quality, logistics, timely service and pricing. Value for money for traders like me. Hats off

- **Manish Jethwani, Raipur**



All the products from Cemseal are of extremely good quality at a reasonable rate. After checking almost 6 to 7 brands including a couple of big brands, we decided to use Cemseal Block Jointing Mortar as the first product from Cemseal in various projects. Results achieved from the same inspired the contractors and builders to demand more of Cemseal products. So here we are - a fullfledged distributor and a partner in the value chain of Cemseal! Looking towards great years ahead with Cemseal.

**Shah & Sons, Vadodara -**



Full range of products from Cemseal helps us to maintain a single brand for all our needs including putty, primer, paint, tile adhesives, epoxy at all our store locations. It improves the consistency and brand visuals pan India

- **Darshan Dasani, Founder, Tea Post**



As a part of VC Project, we always look for products that are superior in quality and are available at reasonable rate. We prefer a genuine company with umbrella of products so that we can offer world class quality as per RERA and other acts to our customers. Cemseal is one such company where our needs are met. We used its water-resistant Wall Putty, SBR Super Latex, Leakproof & Cemcoat. We are extremely satisfied with the performance of all the products used so far and will try other products of Cemseal as well in upcoming projects.

**Rohit Movaliya , Site Engineer, VC Project & Infra Pvt Ltd -**



We used SBR Super Latex as a bonding agent and Cemgrout NS - GP2 as a high strength grout in 22.5 L litres underground water tank and 2.5 lac litres overhead water tank. We are extremely delighted with Cemseal products and services.

- **Rishi Patel, Project Manager, Radha Soami Satsang Beas (RSSB), Ahmedabad**



# OUR PREMIUM PRODUCTS



# CEMPROOF WP+

Liquid Integral Waterproofing Compound

## DESCRIPTION

CEMPROOF WP+ integral waterproofing compound contains a blend of specialised chemicals which when incorporated in concrete reduces permeability and facilitates the construction of water tight structures. It makes the concrete waterproof to resist both - hydrostatic pressure and capillary absorption. It Conforms to IS:2645:2003 and IS:9103:2000 Standards.

## ADVANTAGES

- Provides high strength and plasticity.
- Reduces honey combing and concrete leakages.
- Integral waterproofing solution for any type of cement work.

## APPLICATIONS

Integral waterproofing compound for concrete, plaster, column, slab, staircase, water tank, basement, floor, sunk slab, terrace and any other concrete work.



## SPECIAL PROPERTIES

- Resistant to penetration of water both under: **a.** Hydrostatic pressure **b.** Capillary action.
- Initially alkaline; has no corrosive effect on reinforcement in mass concrete.
- Is water retentive and thus aids curing, ensuring maximum strength.
- Reduces attack by water-borne aggressive conditions.
- Improves cohesive properties of concrete - reducing segregation and bleeding.
- Helps reducing crazing in rich mixes by controlling rate of water evaporation.
- Aids in achieving better surface finish.

## PRODUCT DATA

Appearance	: Free Flowing Thin Liquid
Colour	: Wine Red Colour
Sp. Gravity@ 25°C	: 1.05 ± 0.025 gms/ cc
Solid Content	: 13 ± 0.5%
pH value	: 11 to 13

## DOSAGE

200 ml per 50 KG cement

## PACKING

ML: 500  
LTR: 1,5,10,20,50,210



# CEMSEAL CONFLO

Modified Ligno Sulphonate Based Water Reducer  
& Integral Waterproofing Admixture

## DESCRIPTION

Conflo series is developed as a part of providing standard and customised super plastisizer / Retarder formulated with one or more of latest generation modified ligno sulphonate, naptha or polycarboxylic ether polymers featuring long lateral chains, which significantly enhances cement partilcle dispersion.

During the initial mixing phase, electrostatic forces promote effective separation of cement particles, greatly reducing the water demand in flowable concrete. The series offers a unique combination of high-water reduction and extended workability retention, enabling the production of high-performance and highly workable concrete.



## ADVANTAGES

- Increases overall durability.
- Nil Chloride & Nitrate content.
- Enhanced adhesion to reinforcing and prestressing steel.
- Improved resistance to carbonation and harsh environmental conditions.
- Contains a rheology modifier for improved cohesiveness and robustness.
- Low viscosity, ideal for pumping various concrete grades to higher elevations.
- Reduces shrinkage and creep.
- Low permeability for superior durability.

## PRODUCT DATA

- Consistency** : Low Viscocity
- Air Entrant** : 0 to 1%
- pH** : >6.0
- Packing** : 250 KG.

## TECHNICAL TABLE

Plasticizer	Base	Colour	Specific Gravity	Dosage (volume : cement weight)
CONFLO - MLS	Modified Ligno Sulphonate	Brown	1.19 to 1.20	0.4 – 1.0%
CONFLO - 100	PCE	Yellow to Brown	1.03 ± 0.02	0.5 – 2.0%
CONFLO - 200	PCE	Light Brown	1.07 ± 0.02	0.3 – 1.5%
CONFLO - 300	PCE	Light Yellow	1.08 ± 0.02	0.5 – 1.5%
CONFLO - 350	PCE	Light Brown	1.08 ± 0.02	0.3 – 2.0%
CONFLO - 400	PCE	Light Yellow	1.09 ± 0.02	0.2 – 1.5%
CONFLO - 450	PCE	Light Yellow	1.09 ± 1.11	0.5 – 2.0%

## EFFECTS OF OVER DOSAGE

Overdosage may lead to delayed setting time and potential segregation of the concrete mix.

## COMPATIBILITY

Cemseal CONFLO can be used with all types of portland cement and sulphate resisting cement. For use with other special cement, contact our technical services division.

# BARSOL

Water Based Anti Corrosive Bar Coating

## DESCRIPTION

BARSOL is the most economical anti corrosive & high grip coating for steel bar protection. It has good adhesion & gives fairly good corrosion resistance to metal. It can be brushed or sprayed. It gives hard & tough coating on metal surface steel bar, Tor-steel bar, etc. It conforms to BS 4652, 1995 type-2.

## ADVANTAGES

- Corrosion resistance.
- Economical.
- Can be used on ferrous substrates.
- Provides positive protection of steel components against corrosion
- Excellent adhesion to steel
- Easy to use
- Short overcoating time

## APPLICATIONS

Water based anti corrosive coating for structural steel, iron bars, TMT bars, cast iron and short.

## APPLICATION VISCOSITY

Brushing - 50 to 60 sec at 30°C by F. C. No.4  
Spraying - 30 to 35 sec at 30°C by F. C. No.4



## PRODUCT DATA

Finish	: Semi matt
Colour	: Parrot Green
Covering capacity	: On smooth mild steel surface : 100-120 kg steel / ltr depending upon surface.
Drying time	: Surface dry - Less than 45 minutes. Hard dry - Less than 12 hours. Over Layer time - Minimum 10 hours (Above properties depend upon temperature & humidity)
Packing	: 1 ltr, 4 ltr, 10 ltr, 20 ltr
Thinner Recommended	: DM Water

## DIRECTION FOR USE

Remove dust, oil, grease, rust & other loose flakes etc. Apply water based BARSOL by adjusting the viscosity with water as recommended thinner for brushing or spraying. Allow BARSOL layer to hard dry. Stir well prior to use.

## PRIMARY USES

- As a preventive coating to steel reinforcing bars in concrete.
- As a touch-up primer for damaged galvanized metal.
- As a primer for steel substrates prior to suitable top coating.

## TECHNICAL PROPERTIES

Appearance	: Parrot Green Solution
Gravity	: 1.20 ± 0.01 KG/M <sup>3</sup>
ph	: 8±1
Solid cont.	: 50±1% (10 Grams, 120°C, 1 Hour)
Flow test	: 45± 5 Seconds (@20% Dilution, B4 Cup)

## METHOD OF APPLICATION

- Two coats by brush or spray at pressure of 40 to 50 P.S.I. to achieve 18 to 20 micron DFT.
- Submerge the bar in CEMSEAL BARSOL for 15 seconds before taking it out and drying on the stand to achieve 18 to 20 micron DFT.

*\* In both the above application methods, dilute CEMSEAL BARSOL with Clean water by maximum 20%. That is, Add maximum 4 L of Clean water while using 20 L CEMSEAL BARSOL. Shake well before use after adding Clean water*

# BLOCK JOINTING MORTAR

Thin Bed AAC Blocks Jointing Adhesive

## DESCRIPTION

CEMSEAL BLOCK JOINTING MORTAR is a superior water resistance cement based mortar, specially formulated for joining blocks. This mortar is specially designed and manufactured under stringent quality controls to give superior adhesive strength, higher durability and a strong bond between the blocks. This unique combination enables this mortar to be thinner, compact and versatile. It also ensures higher bond strength and durability at only 3 mm thickness compare to the conventional mortar at 12 - 15 mm replacing the conventional cement and sand mix mortar completely.



## TECHNICAL PROPERTIES

Parameter	Values
Tensile strength @ 28 days	>0.35 N/square meter
Compressive strength @28 days	>5 N/square meter
Workability	120-170 sq.ft. / 40 kg with 25% of water
Silt content in sand	< 1.0 %
Bulk density	1650 - 1700 kg/m <sup>3</sup>

## APPLICATIONS

Cemseal block jointing mortar is a superior water resistance cement based mortar, specially formulated for joining blocks.

## SPECIAL PROPERTIES

- Thin joints

: Only 2-3 mm joint is sufficient for jointing of two blocks.
- Less quantity

: Quantity required is significantly less than the conventional mortar.
- Time saving

: No site mixing required for various raw materials and overall less material required in application process.
- Easy application

: Easy to mix, blend and apply due to the smooth texture of the mortar.
- Water saver

: Water curing is not required after the application of CEMSEAL BLOCK JOINTING MORTAR as it contains self curing properties.
- Eco friendly.

## PRODUCT CHARACTERISTICS

- Physical nature

: Free flowing grey powder
- Water requirement

: 20 to 27% by weight
- Hard dry

: 24 hours (depending on temperature & humidity)
- Pot life

: 30-45 min (depending on temperature & humidity)
- Coverage (per 40 kg bag)

: 120 - 170 sq.ft. (depending on thickness of blocks and joints)

# SBR SUPER LATEX

For Waterproofing & Repairs

## DESCRIPTION

SBR Super Latex for waterproofing & repairs is a high degree styrene butadiene copolymer latex which is specially modified to be compatible with cement based mixes. It enhances mechanical properties such as adhesion, flexibility, compression and impact strength of concrete and improves the thin section fragility of cement when used as coating. It Conforms to BS 6319 part 2:1983, ASTM C-190-85 and ASTM 881.



## ADVANTAGES

- Brushable and easy to apply for waterproofing.
- Can be used as a waterproof coat.
- Is suitable for use in damp situation.
- Improves high water resistance to the mix.
- Improves adhesion and flexibility.
- Improves workability.
- Allows thinner section and reduction in water content.
- Reduces cracking.
- Improves chemical and abrasion resistance.
- Stops water leakages quickly from terrace, water tank, sunk slab etc.

## TYPICAL APPLICATION

- Helps floors to get high abrasion resistance.
- Waterproofing of building terraces, toilets, basements.
- Recommended for use in effluent tanks, dairies, food factories, fertilizer stores etc.
- Waterproofing of water tanks and swimming pools.
- Renovation and protection of concrete against corrosion and salt.
- Patching and bonding on to background of low suction and repairing of concrete and masonry wall - internal, external and terraces by cement mortar.

## TYPICAL CHARACTERISTICS

Solids	: 42 ± 2 %
Colour	: Fluorescent milky emulsion.
Consistency	: Free flowing
Shelf Life	: 24 Months from date of manufacturing
Initial Setting Time	: 24 Hours
Initial Curing Time	: 72 Hours with moist cloth or water spray
Complete Curing time	: 28 Days under water immersion
Finish of the surface	: Smooth
Coverage as bonding	: First Coat 6-7 sq-mt/L
coat/passivator Coat	Second coat 7-8 sq-mt/L
Bond strength	: 5 N/sq mm
Chemical resistance	: resist mild acids & alkalies
pH	: 8 ± 1
Specific gravity(Kg/ltr)	: 1.02 ± 0.02 (@30°C)
DOSAGE	: For waterproofing:- 5 KG cement: 2.5 litres water: 1 litre SBR For repairing: 10% cement weight
PACKING	: ML:- 200, 500 LTR:- 1,5,10,20,50,210



## DESCRIPTION

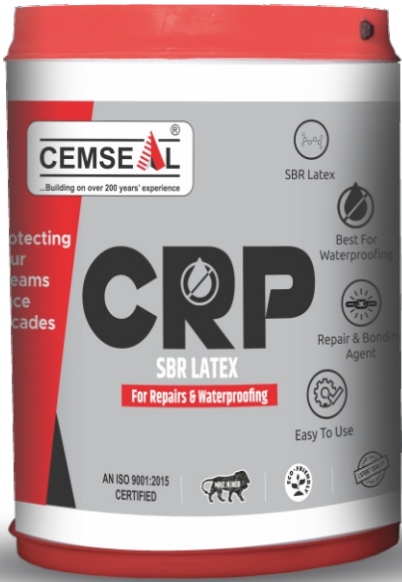
CRP SBR LATEX is based on modified styrene butadiene latex supplied as a ready to use bonding agent in liquid consistency. It is used for repair of spalled concrete floors, columns, beams, chhajas & slabs. Waterproofing of toilets & bathrooms, terraces etc. It bonds strongly to old & new concrete and to plasters. It reduces shrinkage, prevents cracking, dust pick up & improves abrasion resistance. It conforms to BS 6319 Part 221983, ASTM C-190-85 and ASTM 881.

## ADVANTAGES

- SBR Latex for waterproofing.
- Brushable and easy to apply for waterproofing.
- Can be used as a waterproof coat.
- Stops water leakages from terrace, water tank, sunk slab etc.

## APPLICATIONS

All concrete slabs, water tank, cement sheets, terrace, repairing of old RCC structures, old and new concrete joints, toilet, bathroom, sunk slab, filling of hairline cracks, plastering RCC structure without making grooves.



PROPERTIES	SPECIFICATION	RESULTS
Base		SBR Latex (Styerene Butadine Rubber)
Coverage		20 - 22 sq ft/Ltr. for two coats
Mixing ratio	CRP : Water : Cement	1.5 : 2 : 5
Total active solid content		32 ± 2%
Pot life @30°C		30 - 45 minutes
Specific gravity @30°C		1.01 ± 0.02
pH		7 to 9
Compressive strength N/mm <sup>2</sup> - 7 days	( Bs6319 part221983)	Passes the specification
Tensile strength, N/mm <sup>2</sup>	(ASTM C -190-85)	Passes the specification
Flexural strength, N/mm <sup>2</sup>		>9
Slant shear bond, N/mm <sup>2</sup>	ASTM 881	30
Chemical resistance to mild acids, alkalies, sulphates.		Resists
Freeze thaw resistance		Excellent

## DOSAGE

### For waterproofing:

5 KG cement : 2 litres water : 1.5 litre CRP

### For repairing:

10% of cement weight

## PACKING

ML: 200, 500

LTR: 1,5,10,20,50,210

# CEMCRETE

## Acrylic Co-polymer Bonding & Waterproofing Agent

### DESCRIPTION

CEMSEAL CEMCRETE is composed of acrylic co-polymer & additives. It is used as a bonding agent for new to old substrates as it provides strong bonds to old - new concrete. Moreover, it is used for acrylic based waterproofing solution as well for higher flexibility & UV resistance. Improves tensile flexural strength of concrete and increases the durability of the structure. When mixed with cement, It forms matrix and provides excellent waterproof coating. CEMSEAL CEMCRETE provides better flexibility compared to other latex based solutions. It conforms to BS 6319 part 2:1983, BS 6319 part 4:1984 & BS 7542:1992.



### ADVANTAGES

- For Acrylic Polymer based waterproofing.
- Brushable and easy to apply for waterproofing.
- Can be used as a waterproof coat.
- Restrains UV rays & direct sunlight.
- Stops water leakages from terrace, water tank, sunk slab etc.

### APPLICATIONS

#### AS A BONDING AGENT

- Concrete repair : Spalled concrete floor, columns, beams, chajja & parapet, etc.
- Bond Coat : Old to new concrete, masonry, stonework plaster, fixing or re-fixing slip bricks, tiles, marbels & bedding.
- Priming : Reinforcement cement steel.
- Additive : Additives for renders & mortars.
- Coating : As an flexibiliser to cement.

#### AS A WATERPROOFING AGENT

- Helps floors to get high abrasion resistance.
- Waterproofing of building terraces, toilets, basements.
- Recommended for use in effluent tanks, dairies, food factories, fertilizer stores etc.
- Waterproofing of water tanks and swimming pools.
- Renovation and protection of concrete against corrosion and salt.
- Patching and bonding on to background of low suction and repairing of concrete and masonry wall - internal, external and terraces by cement mortar.

### FEATURES & BENEFITS

- Chloride content** : Contains no chloride at all
- User Friendly** : Single component. Ready to use, simply brushed onto concrete as a primer Bonding. Provides excellent bond to concrete, masonry, plywood, gypsum & plaster.
- Strength** : Improves tensile, flexural and compressive strength as compared to control concrete hence increases the durability of structures.
- Compatibility** : Compatible with all common cements hence it is versatile.
- Dust generation** : Excellent as a dust proof sealer.
- Waterproofing** : Improves waterproofing properties of cement & cementitious compositions.
- Flexibility** : Improves flexural strength of cement & cementitious composition.
- Dosage** : For waterproofing: Add 1 litre Cemcrete in 2 KG of Cement.
- Packing** : ML:- 200, 500  
LTR:- 1,5,10,20,50,210

# CEMFIN 2K

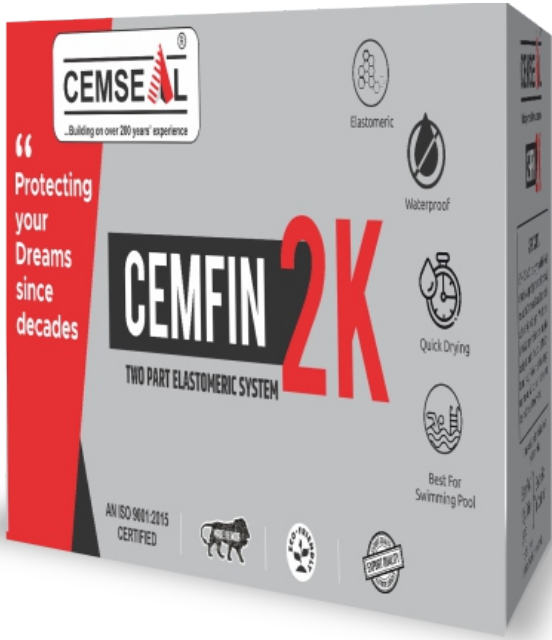
Multipurpose Two Part Elastomeric Waterproofing System

## DESCRIPTION

CEMFIN 2K is two parts polymer modified flexible cementitious water proofing membrane coating specially formulated for concrete and masonry surface, which is supplied in ready-mix kits (2 parts). When the dry part is mixed with acrylic-modified emulsion and applied according to direction, the cured CEMFIN 2K will become a tough, flexible and seamless waterproof membrane and will act as an excellent water barrier to concrete and masonry surface.

## APPLICATIONS

- CEMFIN 2K slurry can be applied by brush or trowel. DO NOT dilute with water. Recommended coverage rate is approximately 1.1 kg./m<sup>2</sup>/coat (~10 sq.ft./kg./coat) for 0.8 mm. (minimum 2 coat.)
- Allow the slurry to cure for at least 1 hour before applying the second coat.



## AREA OF APPLICATION

- Concrete foundations, basements wall and lift pits.
- Swimming pools, water tanks and reservoirs.
- Concealed roofs, parking decks, bathroom, toilet, kitchen, balconies and planters.
- Any other concrete, cement or masonry surface subject to damage from moisture.

## FEATURES & BENEFITS

- Flexible.
- Quick drying.
- Non toxic substances.
- Easily applied by brush or trowel.
- Can be applied on damp surface.
- Excellent adhesion to concrete and masonry substrates.
- Environment friendly - Volatile Organic Compound (VOC) free.
- Excellent waterproofing property - No leakage up to 10 m. hydrostatic pressure.

## TECHNICAL INFORMATION

Properties	Results
Mix Component	: Mix Ratio 1:2 (A: B)
Polymer Content	: > 18 %
Water Absorption	: < 6%
Proprietary Polymer	: High quality modified acrylic polymer
Set-to-touch time	: 45 min
Tensile Strength - as cast	: 2.5 N/mm <sup>2</sup>
Elongation at Break - as cast	: 60 %
Adhesion to Substrate	: 0.80 N/mm <sup>2</sup>
Adhesion to Concrete at 7 day	: 1.75 N/mm <sup>2</sup>
Immersion in water Adhesion to Concrete at 7 day	: 1.00 N/mm <sup>2</sup>
Crack Bridging	: 1 mm

## COVERAGE

1.1 kg./m<sup>2</sup>/coat (~10 sq.ft./kg./coat) for 0.8 mm. (Minimum 2 coats - actual coats may depend on the surface needs).

## PACKING

KG: 3, 15

# BLACK MEMBRANE

## PU Based - Heavy Duty Elastomeric Membrane Coating

Cemseal Black Membrane is a PU based, cold-applied, ready-to-use liquid waterproofing membrane made from a special blend of high-quality resins and rubber. It is reinforced with water-repelling fillers, mineral stabilizers, and gelling agents to create a highly flexible and durable coating. It is ideal for protecting concrete and masonry surfaces such as walls, bathrooms, basements, bridges, terraces, decks, and even metal surfaces. It can be used in new construction or applied over existing structures to prevent water penetration.



### ADVANTAGES

- Easily adapts to uneven surfaces, forming a continuous, watertight barrier.
- Forms a highly elastic, rubber-like membrane that can withstand building movements such as expansion and contraction without cracking.
- Excellent resistance to UV rays, ozone, and oxidation thanks to advanced additives—offering longer life than standard asphalt coatings.
- Strong adhesion and wetting properties help create a long-lasting bond that resists peeling, flaking, or separation.
- Single-component, cold-applied product—no mixing or heating required, reducing labor and simplifying application.

### TECHNICAL INFORMATION

Properties	Standard test method	Results
Appearance		Black, Smooth, Thick Paste
Specific Gravity	ASTMD 1475 - 03	1.2 ± 0.10
Solid Content (%)	ASTMD 1644 - 03	55 ±2 %
Tensile Set recovery, %		95 %
Service Temperature, 24 hrs. @ 120 °C		No shrinkage
Tack Free Time @ 35°C		10 -12 hrs.
Flammability & Toxicity		0.95 ±0.1
Tensile Strength	ASTMD 412 - 98	0 .51 N/mm <sup>2</sup>
Elongation @ Break	ASTMD 412 - 98	> 800 %
Viscosity (spindleno: 7/ RPM 10) 25°C		50000-70000cps
Water vapour Transmission (g/h –m <sup>2</sup> )	ASTME 96 - 95	0.46
Emulsifying system		Anionic-non-ionic
Tear Resistance, KN/m		28 ±10
Chemical Resistance, % Weight Change		
-10 % Salt(Sodium chloride)		3.0
-5 % Alkali (Caustic Soda)		2.0
-5 % Acid (Sulphuric)		3.0
Drying Time @ 25°C	ASTMD 1640 - 03	10 -20 min
Pack size		20 kg bucket

### Precautions

- Do not dilute the coating with water to ease application. Always stir thoroughly before use.
- Apply two additional coats on all corners, gaps, joints, protrusions, and outlets for enhanced protection.
- Avoid application during rain or in extreme temperature conditions.
- The recommended application temperature is between 10°C and 45°C.
- Prevent damage by avoiding any actions that could puncture the membrane.



# CEMPLAST

Mortar Plasticizer Admixtures For Cement Plasters

## DESCRIPTION

CEMPLAST is a Vinsol resin based air entering agent, free from calcium chloride and designed to give plasticity with a degree of water resistance in the set mortar. Workability and ease of use is ensured by the air entering qualities of the plasticizer in brick mortars, renderings, backing coat and pointing. It Conforms to IS:9103:2000 and IS:2645:2003.

## ADVANTAGES

- Gives ease of working by improved plasticity with consequent increased productivity
- Will not enter an excessive amount of air with over mixing
- Eliminates efflorescence by disrupting the capillaries
- With Cemplast the Mortar will not bleed or segregate thereby achieving cohesiveness
- Shrinkage, Cracking and crazing is minimized
- Inbuilt bonding aids reduce rebound losses
- Cemplast cuts labor costs reduces cement consumption and wastage, hereby providing economical benefits
- Improves mortar Durability

## APPLICATIONS

- Plasticizer for cement plaster that helps in better Coverage, Workability, and ease of use while plastering brick, mortar & AAC block



## HOW TO APPLY?

1 liter of Cemplast added to a 200 liter drum of gauging water will be sufficient for gauging approximately 4x50 kg bags of cement to produce renders or bricklaying mortar.

## PACKING

LTR:1, 5, 10, 20, 50, 210

# CEMTILE PRIMER

Back Tile Primer

## DESCRIPTION

CEMTILE PRIMER is used as a back tile primer to increase porosity at the backside of the extremely polished back of the tile - with improved water resistance, greater strength, superior flexibility and good adhesion to tile / stone adhesives and surface.

CEMTILE PRIMER provides excellent adhesion to tiles / stones even after long term water treatment. The high resistance against water and alkaline enables a more durable solution for laying tiles / stones. Additionally, the rollable application of CEMENTILE PRIMER enables a quick and reliable application on the job site.



## ADVANTAGES

- Improves the bonding of tile having extremely smooth back surface with Cemseal NSA
- For other tiles, enhances the strength and bonding of NSA with tile.
- Cost effective solution for enhancing the bonding of stones including granites and marbles.

## APPLICATIONS

- For fixing the tiles and stones (including tile on tile) having extremely smooth back surface.
- To enhance the strength and bonding of tile / stone with Cemseal NSA.
- To improve the vibration resistance.

## HOW TO APPLY?

Use roller/brush to apply

## COVERAGE

50-70 sq ft. in 1 litre depending on workmanship

## PACKING

LTR: 20

# CEMSEAL SLURRY BOND

On-site Mix Additive To Be Mixed With Cement, For Fixing Of Floor Tiles

## DESCRIPTION

CEMSEAL SLURRY BOND is an economical on-site mix additive to be mixed with cement, for fixing of floor tiles. CEMSEAL SLURRY BOND exhibits very high water retention and thus reduces the absorption of water in to porous substrates. It provides workability, sufficient sag resistance as well as appropriate setting time. The adjustability is good even at low dosages and high ambient temperatures. It makes cement self-cured.



## ADVANTAGES

- Exceptional bonding properties, compared to the traditional conventional machan
- Easy to use, no special tools required
- Economical solution for tile fixing
- Low VOC (Volatile Organic Compounds)
- Environmentally safe.
- Improves adhesion
- High open time & antisag properties
- Good adjustability time with high water retention even at elevated temperature
- It can be used with both grey and white cement
- Suitable for Ceramic & Vitrified tiles

## APPLICATIONS

CEMSEAL SLURRY BOND & cement slurry are used for fixing tiles on conventional machan / Levelling bed application. Can be applied by notch trowel.

## METHOD OF APPLICATION

### SURFACE

- The surface should be sound, clean, and free from dirt, oil or grease before application of conventional cement machan or levelling bed.
- Ideally levelling bed / Machan should be prepared using Cement: Sand: Water in the ratio 0.4 : 6 : 1.

### MIXING

- CEMSEAL SLURRY BOND to be mixed with cement & sand for your floor tile Fixing.

## TECHNICAL INFORMATION

Colour	: White
Appearance	: Free flowing powder
Bulk density	: 0.75 g/ ml
Packaging	: 300 grams

## SHELF LIFE

Factory sealed pack of this product are guaranteed to be best quality for one year\* from the date of manufacturing, if stored off the ground in a dry area.

*\*High humidity will reduce the shelf life of the bagged product.*

# NSA BRONZE

Polymer Based Non-Skid Tile Adhesive

## DESCRIPTION

NSA BRONZE is a high quality tile adhesive for the fixing of ceramic & small size of vitrified tiles for vertical and horizontal applications. It can also be used for floor application of Porcelain & porous stones . NSA BRONZE tile adhesive is suitable for internal applications



## ADVANTAGES

- Grouting is possible on same day.
- Excellent waterproofing characteristics.
- Simple preparation (need to add just water).
- Self-curing, excellent tensile adhesion strength.
- Enhanced durability.
- Ready to use product.

## APPLICATIONS

- Ceramic internal application, Small sizes vitrified internal application (for floor & wall application).
- Porcelain & porous stones (for floor application).
- Fixing tiles over smooth surfaces.
- Applicable vitrified tile sizes for floor application 250mm X 400mm, 300mm X 300mm, 300mm X 600mm, 600mm X 600mm (No such limitation for ceramic tiles).
- Applicable for tile sizes for wall application (up to 15 ft. - slab to slab) 250mm X 400mm, 300mm X 300mm (No such limitation for ceramic tiles).

PROPERTIES	STANDARD TEST METHOD	RESULTS
Appearance	-	Grey Powder
Grade	-	Type 1T & C1T
Bulk density	IS 15477 2019, EN 12004	1.45 to 1.50 gm/cc
Tensile adhesion strength @ 28 days	IS 15477 2019, EN 12004	>0.7N/mm <sup>2</sup> (dry)
Shear adhesion strength @ 28 days	IS 15477 2019, EN 12004	>1.1N/mm <sup>2</sup> (dry)
Adjustability in minutes	-	>20

\*C1=Type adhesive | T= Thixotrophy

## COMPLIANCE STANDARD

IS 15477:2019, EN 12004

## COVERAGE

25 to 35 sq.ft. Per 20 KG with notch trowel for a bed thickness of 3 to 4 mm.

## PACKINGS

NSA BRONZE is supplied in 20 & 40 Kg bags.

## EXPERT TIP

Use Cemseal NSA+ To Boost Strength, Bonding And Adhesion Capability Of Cemseal NSA.  
Add 200ml of NSA+ Per 20 KG of NSA.





# NSA SILVER

Polymer Based Non-Skid Tile Adhesive

## DESCRIPTION

NSA SILVER is a polymer modified cement based thin bed Tile Adhesive for fixing ceramic tiles, vitrified tiles & natural stones of regular sizes. It is suitable for both vertical and horizontal surfaces for indoor applications, in dry & wet both areas. It is also recommended for Tile on Tile application.



## ADVANTAGES

- For floor & wall.
- For dry & wet application areas.
- For interior use.
- Excellent bonding strength & waterproofing properties.
- Excellent tensile adhesion strength.
- Prevents discoloration (in NSA SILVER White).
- Same day grouting possible-Self curing.
- Just add water - Easy to use.

## APPLICATIONS

- All types of ceramic tile, paver, bricks, vitrified tile & porcelain tile.
- Use in dry & wet areas. (up to 15 ft. for application on walls - slab to slab).
- Applicable of tiles size 250mm X 400mm, 300mm X 600mm, 300mm X 300mm, 600mm X 600mm, 1200mm X 600 mm, 1500mm X 750mm, 1600mm X 800mm on wall. No such restriction for floor tiles.
- Sand stones, mint stones in internal application.

PROPERTIES	STANDARD TEST METHOD	RESULTS
Appearance	-	Grey/White colored powder
Grade	-	Type 2 & C2TE
Bulk density	-	1.40 to 1.45 gm/cc
Tensile adhesion strength @ 28 days	IS 15477:2019, EN 12004	>1 N/mm <sup>2</sup> (dry)
Shear adhesion strength @ 28 days	IS 15477:2019, EN 12004	>1.25 N/mm <sup>2</sup> (dry)
Pot Life	IS 15477:2019, EN 12004	> 20
Adjustability in minutes	IS 15477:2019, EN 12004	< 0.5
Slip resistance in mm	IS 15477:2019, EN 12004	>20
Open time in minutes		

\*C2=Type adhesive | T= Thixotrophy | E= Open time

## COMPLIANCE STANDARD

IS 15477:2019, EN 12004.

## COVERAGE

25 to 35 sq.ft. Per 20 KG with notch trowel for a bed thickness of 3 to 4 mm.

## PACKINGS

NSA SILVER is supplied in GREY/WHITE - 20 & 40 Kg bags.

## EXPERT TIP

Use Cemseal NSA+ To Boost Strength, Bonding And Adhesion Capability Of Cemseal NSA.  
Add 200ml of NSA+ Per 20 KG of NSA.



# NSA GOLD

Non-Skid Tile & Stone Adhesive

## DESCRIPTION

NSA GOLD is for fixing of ceramic tiles, vitrified tiles & natural stones for floor & wall. The set adhesive is water-resistant and is suitable for use in showers and totally immersed situations such as swimming pools.

## ADVANTAGES

- For floor & wall - interior & exterior.
- Suitable for porous stones.
- For dry & wet application areas.
- Excellent bonding strength
- Excellent waterproofing properties.
- Excellent tensile adhesion & shear adhesion strength- superior quality.
- Prevents discolouration (in NSA GOLD White).
- Specially formulated for swimming pool application (in NSA GOLD White).

## APPLICATIONS

- Tile claddings
- Porcelain tile
- Vitrified tile
- Low porous stones
- Applicable of tile/stone sizes 250mmX400mm, 300mX300mm, 300mmX400mm, 300mmX600mm, 300mmX900mm, 600mm X 1200mm, 2400mm X 1200mm
- Sand stone, khatu, Lapato, Quartz, Lime stones, Granite, Elevation stone, Rajasthan black stone & Marbles in internal & external applications



PROPERTIES	STANDARD TEST METHOD	RESULTS
Appearance	-	Grey/White colored powder
Grade	-	Type 3T & C2TE*
Bulk density	-	1.39 to 1.42 gm/cc
Tensile adhesion @ 28 days	IS 15477:2019, EN 12004	>1.5 N/mm <sup>2</sup> (dry)
Shear adhesion strength @ 28 days	IS 15477:2019, EN 12004	>1.5 N/mm <sup>2</sup> (dry)
Pot life	-	Approx. 45 minutes
Adjustability in minutes	IS 15477:2019, EN 12004	>20
Slip resistance in mm	IS 15477:2019, EN 12004	<0.5
Open time in minutes	IS 15477:2019, EN 12004	>20

\*C2=Type adhesive | T=Thixotrophy | E= Open time

## COMPLIANCE STANDARD

IS 15477:2019, EN 12004.

## COVERAGE

25 to 35 sq.ft. Per 20 KG with notch trowel for a bed thickness of 3 to 4 mm.

## PACKINGS

NSA GOLD is supplied in GREY/WHITE - 20 & 40 Kg bags.

## EXPERT TIP

Use Cemseal NSA+ To Boost Strength, Bonding And Adhesion Capability Of Cemseal NSA  
Add 200ml of NSA+ Per 20 KG of NSA.



CM/L - 7300131006

# NSA RUBY

Polymer Based Non-Skid Tile Adhesive

## DESCRIPTION

NSA RUBY is a highly polymer modified thin set tile/stone adhesive for fixing of ceramic tiles, vitrified tiles, glass mosaic & natural stones on floor & wall in external/internal areas where deformability and vibration are to be considered. The set adhesive is water-resistant and is suitable for use in showers and totally immersed situations such as swimming pools. Large format tiles & stones are fixed properly with resistance towards vibrations and hence can be used besides lift and in heavy traffic area.

## ADVANTAGES (GREY)

- For floor, wall & ceiling - interior & exterior.
- For dry & wet application areas.
- Suitable for porous stones.
- Provides shock & load resistance.
- Excellent bonding strength & waterproofing properties.
- Specially formulated for swimming pool application.
- Provides vibration resistance.
- Prevents discolouration (in NSA RUBY White).
- Excellent tensile adhesion & shear adhesion strength- superior quality.

## APPLICATIONS

- Tile claddings
- Porcelain tile
- Glass mosaic
- Vitrified tile
- Porous stones
- Applicable of tiles/stone size 250mm X 400mm, 300mm X 300mm, 300mm X 400mm, 300mm X 600mm, 300mm X 900mm, 600mm X 600mm, 600mm X 1200mm, 1500mm X 750mm, 2400mm X 1200mm.
- Sand stone, khatu, Lapato, Quartz , Lime stones, Granite, Elevation stone, Rajasthan black stone & Marbles in internal & external applications.



PROPERTIES	STANDARD TEST METHOD	RESULTS
Appearance	-	Grey/White colored powder
Grade	-	Type 3T S1 & C2TE S1*
Bulk density	-	1.35 to 1.40 gm/cc
Tensile adhesion @ 28 days	IS 15477:2019, EN 12004	>1.6 N/mm <sup>2</sup> (dry)
Shear adhesion strength @ 28 days	IS 15477:2019, EN 12004	>2.0 N/mm <sup>2</sup> (dry)
Deformability (S1) @ 28 days	IS 15477:2019, EN 12004	≥2.5 mm
Pot life	-	Approx. 2 hours <sup>#</sup>
Adjustability in minutes	IS 15477:2019, EN 12004	>20
Slip resistance in mm	IS 15477:2019, EN 12004	<0.5
Open time in minutes	IS 15477:2019, EN 12004	>20

\*C2=Type adhesive | T=Thixotrophy | E= Open time | S1= Deformability

<sup>#</sup>Although pot life is 2 hours, we recommend to use within 45 minutes for the best results.

### COMPLIANCE STANDARD

IS 15477:2019, EN 12004.

### COVERAGE

25 to 35 sq.ft. Per 20 KG with notch trowel for a bed thickness of 3 to 4 mm.

### PACKINGS

NSA RUBY is supplied in GREY/ WHITE - 20 & 40 Kg bags.

## EXPERT TIP

Use Cemseal NSA+ To Boost Strength, Bonding And Adhesion Capability Of Cemseal NSA  
Add 200ml of NSA+ Per 20 KG of NSA.



# NSA DIAMOND

## DESCRIPTION

NSA Diamond-Gel is a multipurpose gel-adhesive which is highly polymer modified and very highly deformable, flexible, thixotropic and fluid. It is used for installation of large to very large format tiles. It offers exceptional slag and slump resistance. Its excellent workability, very high adhesion, and deformability makes it ideal for swimming pools, heavy traffic environment and facades. It can be used for any type of tiles and natural stone at any height in interior/exterior environment.



## ADVANTAGES

- For floor, wall & ceiling - interior & exterior.
- Suitable for porous stones.
- Excellent bonding strength
- Excellent waterproofing properties.
- Specially formulated for swimming pool application.
- Prevents discolouration (in NSA Diamond-Gel White).
- Excellent tensile adhesion & shear adhesion strength- superior quality.
- For dry & wet application areas.
- Provides shock & load resistance.
- Provides vibration resistance.

## APPLICATIONS

- Tile claddings
- Porcelain tile
- Glass mosaic
- Vitrified tile
- Porous stones
- Terrace/Balconies
- Swimming pool
- Fountains
- Saunas
- Spas
- Applicable of tiles/stone size 250mm X 400mm, 300mm X 300mm, 300mm X 400mm, 300mm X 600mm, 300mm X 900mm, 600mm X 600mm, 600mm X 1200mm, 1500mm X 750mm, 2400mm X 1200mm.
- Sand stone, khatu, Lapato, Quartz , Lime stones, Granite, Elevation stone, Rajasthan black stone & Marbles in internal & external applications.

PROPERTIES	STANDARD TEST METHOD	RESULTS
Appearance	-	Grey/White colored powder
Grade	-	Type 4T S2 & C2TE S2*
Bulk density	-	1.33 to 1.38 gm/cc
Tensile adhesion @ 28 days	IS 15477:2019, EN 12004	>2.5 N/mm <sup>2</sup> (dry)
Shear adhesion strength @ 28 days	IS 15477:2019, EN 12004	>2.0 N/mm <sup>2</sup> (dry)
Deformability (S1) @ 28 days	IS 15477:2019, EN 12004	≥5 mm
Pot life	-	Approx. 2 hours <sup>#</sup>
Adjustability in minutes	IS 15477:2019, EN 12004	>20
Slip resistance in mm	IS 15477:2019, EN 12004	<0.5
Open time in minutes	IS 15477:2019, EN 12004	>20

\*C2=Type adhesive | T=Thixotrophy | E= Open time | S2= Highly Deformable  
#Although pot life is 2 hours, we recommend to use within 45 minutes for the best results.

**COMPLIANCE STANDARD**  
IS 15477:2019, EN 12004.

**COVERAGE**  
25 to 35 sq.ft. Per 20 KG with notch trowel  
for a bed thickness of 3 to 4 mm.

**PACKINGS**  
NSA RUBY is supplied in GREY/  
WHITE - 20 & 40 Kg bags.

**EXPERT TIP**  
Use Cemseal NSA+ To Boost Strength, Bonding And Adhesion Capability Of Cemseal NSA  
Add 200ml of NSA+ Per 20 KG of NSA.





# FLEX PUA 222

Flex PUA 222 is a two-component modified polyurethane-based adhesive designed for superior bonding strength, flexibility, and long-lasting durability. It is suitable for fixing a wide range of tiles—including ceramic, vitrified, stone, and mosaics—on various substrates such as metal, plywood, and dry walls in interior and exterior settings.

## ADVANTAGES

- For floor, wall & ceiling - interior & exterior.
- Water, freezing, thermal shock resistant.
- Excellent bonding strength
- Chemical resistant & resistance to solvents, alkalis & oils.
- Excellent tensile adhesion & shear adhesion strength- superior quality.
- Sustains heat ageing - Idea for external & high temperature applications.
- For dry & wet application areas.
- Provides shock & load resistance.
- Excellent waterproofing properties.
- Low VOC

## USES

- All types of Tiles
- Large Format tiles
- Glass mosaic
- Vitrified tiles
- Natural stones
- Metal & Glass tiles
- Internal & External applications
- Composites / Artificial / Nano / Engineered stone



PROPERTIES	STANDARD TEST METHOD	RESULTS
Appearance	-	Part A: Pale Yellow / Part B: White
Grade	-	Type 5T S2 & R2T*
Bulk density	-	1800 Kg/ Cubic Mtr.
Tensile adhesion @ 28 days	IS 15477:2019, EN 12004	>2.5 N/mm <sup>2</sup> (dry)
Shear adhesion strength @ 28 days	IS 15477:2019, EN 12004	>7.0 N/mm <sup>2</sup> (dry)
Deformability (S1) @ 28 days	IS 15477:2019, EN 12004	≥5 mm
Pot life	-	Approx. 1 hours <sup>#</sup>
Adjustability in minutes	IS 15477:2019, EN 12004	>60
Slip resistance in mm	IS 15477:2019, EN 12004	<0.5
Open time in minutes	IS 15477:2019, EN 12004	>60

\*T=Thixotrophy | S2= Highly Deformable  
#Although pot life is 1 hour, we recommend to use within 45 minutes for the best results.

## MIXING

Thoroughly mix Parts A and B in a 1:4 ratio using a low-speed (≈400 rpm) mixer, starting from the bottom to up. Add Part B to the container with Part A, ensuring a smooth, uniform, and evenly coloured mixture. Only mix an amount that can be used within 45 - 60 minutes at 25 °C.

## COMPLIANCE STANDARD

IS 15477:2019, EN 12004.

## COVERAGE

Around 8 sq.ft. Per 4 KG with notch trowel for a bed thickness of 3 mm.  
*Coverage will vary depending on trowel notch size, type and size of tile and substrate smoothness and evenness.*

## PRECAUTIONS

CEMSEAL Flex PUA 222 should be kept away from direct sunlight, humidity & dampness.

# MAGIC CLEANER

All-Purpose Cleaner

## DESCRIPTION

CEMSEAL MAGIC CLEANER is an all-purpose cleaner that can be used for different cleaning tasks in and around the house, such as cleaning floors, windows and mirrors. Suitable for light cleaning activities.



## ADVANTAGES

- Cleans steel taps, faucets, sinks, fixtures, glass, ceramic and tiles by removing stains, rust, calcium, limescale and dirt. Stubborn stains, rust, calcium & limescale may get completely removed by using CEMSEAL MAGIC CLEANER regularly over period of time.
- Makes the item shine.
- CEMSEAL MAGIC CLEANER is an Eco-friendly & does not harm skin anyway.
- CEAMSEAL MAGIC CLEANER is non-acidic.

## APPLICATIONS

All in 1 product for cleaning metal, steel, ceramic items, sinks, fixtures, glass and tiles.

## PACKINGS

ML: 200, 500  
LTR: 5, 20

# EPOXY TILE GROUT

Epoxy Based Waterproof Tile Grout

## DESCRIPTION

- CEMSEAL EPOXY TILE GROUT is a three part system, comprising of PART A, PART B and PART C. For ease of application and the ability to fill tile/stone joints, the grout is best mixed to a smooth creamy consistency.
- CEMSEAL EPOXY TILE GROUT is hygienic, hard-wearing, impervious, epoxied resin-based grout with a high degree of resistance to chemical attack, abrasion and impact. The cured grout does not transfer taints to foodstuffs, does not permit the entry of bacteria or dirt and is easily maintained in a sterile condition.
- It conforms to ASTM C 658 - 98 (2012).



## ADVANTAGES

- Sterile
- Waterproof
- Smooth surface
- Hygienic and chemical resistant
- Stain and bacterial resistant
- High durable joints
- Frostproof
- High strength
- Non contracting

## APPLICATIONS

- Wall floors • Dry areas
- Work tops
- Heavily trafficked floors
- Chemical resistance
- Interior / Exterior
- Hydrotherapy pools
- Wet areas
- Swimming pools
- Hygienic sterile areas

## PACKINGS

- 1 KG, 5 KG, 20 KG
- Available in more than 40 variants and colours

# WATERPROOF TILE GROUT

Polymer Modified Cementitious Waterproof Tile Grout

## DESCRIPTION

CEMSEAL WATERPROOF TILE GROUT is a cement based, single component polymer modified tile grout for filling tile joints up to 5 mm width. It is a specially formulated premium, fast setting, low shrinkage grout that prevents ingress of water through the joint. It conforms to BS EN13888 : 2002



## ADVANTAGES

- Specification : Meets the requirements of ANSI 118.6 (Specification for tile grouts)
- Easy to mix : Cement based easy to mix joint filler available in 28 brilliant shades
- Impermeability : Water repelling impermeable joint filler suited for domestic and commercial floors, walls etc.
- Excellent adhesion : Sustainable and durable for a long time
- Easy to clean : Non-dusting and easy to clean

## PRODUCT FEATURES

- Available Packs** : 500 grams, 1KG & 20 KG
- Shelf life** : 12 months from the date of manufacturing, when stored in original packaging under normal dry conditions.
- Colours** : Available in 28 brilliant shades (Regular, Natural and Dark)
- Coverage** : Coverage depends on workmanship and joint width & depth of the tile joint

## TECHNICAL DETAILS

- Form** : Free flowing powder
- Color** : As per shade card
- Mix density** : 1.75 - 2.05 (depending on shade)
- Pot Life** : 1 Hour
- Curing time** : 24 Hours
- Cleaning** : Clean your tools with water immediately after use

## PACKINGS

- 500 grams, 1KG & 20 KG
- Available in more than 28 variants and colours

## EXPERT TIP

Use Cemseal WTG+ To Boost Strength, Bonding And Adhesion Capability Of Cemseal WTG to Enhance Waterproofing Quality. Add 100ml of WTG+ Per 1 KG of WTG,

# POLY CEMENT

Polymer Modified Portland Cement

## DESCRIPTION

CEMSEAL POLY CEMENT is a polymer based portland cement, manufactured with the highest quality raw materials and added polymers. It has dual virtues of superior compressive strength and aesthetics. Polymer based cement gives higher compressive strength, flexibility, durability and best in class waterproofing adhesion in structure and joints.



## ADVANTAGES

- Higher compressive strength
- Flexibility
- Durability
- Waterproofing adhesion in structure & joints.

## APPLICATIONS

It can be used for decorative, structural and architectural applications such as mortar, plaster, concrete, flooring surface. It can be used in waterproofing because of enhanced polymers.

## REPAIRING

- |                 |                    |
|-----------------|--------------------|
| • Decorative    | • Plaster          |
| • Structural    | • Concrete         |
| • Architectural | • Flooring surface |
| • Mortar        |                    |

## PACKINGS

KG: 1,5

## COLOUR

Grey, White

# WALL PUTTY

Water Resistant Polymer Putty

## DESCRIPTION

WALLPUTTY is a wall filler specially developed as a finish compound to cover unevenness and pinholes in plastered surfaces and to make the wall/ceilings ready for painting. It contains finest quality minerals, white cement and proprietary chemicals.



## ADVANTAGES

- Durability, finish, bonding, coverage.
- Water resistance.
- Ease in application.
- Prevents flaking. Eco friendly. Reduces consumption of paints.
- Better coverage than regular putty.

## PACKINGS

KG: 1,5,20,40

## COVERAGE

1.8 to 2 sq metre per KG  
(depends on condition of wall surface)

## APPLICATIONS

Wall Putty for exterior and interior walls.



# UNISOL

Interior/Exterior Acrylic Wall Primer

## DESCRIPTION

UNISOL is a solvent free & low VOC water based acrylic wall primer for Interior & Exterior walls. UNISOL is compatible with cement based ceramic tile, too.

## BENEFITS

- Makes surface durable.
- Prepares wall for finish coats.
- Provides extended paint coverage.
- Provides smoother finish appearance.

## APPLICATIONS

- Stairs
- Interior and exterior walls
- Surfaces like wicker, masonry, concrete & plaster.



## FEATURES

Mixing	: Thoroughly mix well after adding up to <b>20%</b> DM water before use.
Storage	: UNISOL must be stored in a dry area off the ground, out of direct sun light, protect from Frost.
Restrictions	: A) Do not apply UNISOL on substrates subject to rising damp. B) Do not apply UNISOL on tiles that have wax or excessively high gloss coating.
Shelf life	: 12 months from date of manufacturing in sealed containers.
Clean up	: Clean all equipments with water immediately after use.
Coverage	: 70 to 80 square feet per litre per coat.
Initial Curing Time	: 1-2 hours @ 25°C (in dry weather).
Final Curing Time	: 48 hours @25°C. (in dry weather).
Recoating Time	: Minimum 8 hours after previous coat.
Packaging	: Ltr – 1, 4, 10, 20.

## SURFACE PREPARATION

- Surface must be free from oil, grease, wax, curing compounds, dust, old adhesive and any other contamination, which may inhibit bond.
- **Note:**
- Surface must be dry
- Works well above 5 Degree Celsius. For temperatures below it, kindly contact our technical team.

# CEMCOAT

Interior / Exterior Eco - Acrylic Emulsion

## DESCRIPTION

CEMCOAT is a solvent free & low VOC water based acrylic wall emulsion for Interior & Exterior walls. CEMCOAT is compatible with cement based ceramic tile, too.

## BENEFITS

- Makes surface durable.
- Provides anti-fade protection for long-lasting colour, low maintenance.
- Offers superior washability compared to distemper, keeping walls looking their best with ease.
- Provides smoother finish appearance & matt finish.
- Can be used as a regular/coloured primer as well by adjusting the water mixing ratio.
- Can be tainted with any colour with white base.

## APPLICATION

- Interior and exterior walls
- Surfaces like wicker, masonry, concrete & plaster.
- Windows
- Stairs
- Wood trims, doors, and flooring



## FEATURES

Mixing	: Thoroughly mix well after adding DM water before use. For use as a Primer: add up to 20% DM water For use as an Emulsion: add up to 10% DM water
Shelf life	: 12 months from date of manufacturing in sealed containers.
Coverage	: As a Primer : 60 to 80 square ft. per litre per coat. As an Emulsion : 40 to 60 square ft. per litre per coat.
Initial Curing Time	: 1-2 hours @ 25°C (in dry weather).
Final Curing Time	: 48 hours @25°C (in dry weather).
Recoating Time	: Minimum 8 hours after previous coat
Storage	: CEMCOAT must be stored in a dry area off the ground, out of direct sun light, protect from Frost.
Restrictions	: A) Do not apply CEMCOAT on substrates subject to rising damp. B) Do not apply CEMCOAT on tiles that have wax or excessively high gloss coating.
Clean up	: Clean all the equipments with water immediately after use.
Packaging	: Ltr – 1, 4, 10, 20

## SURFACE PREPARATION

- Surface must be free from oil, grease, wax, curing compounds, dust, old adhesive and any other contamination, which may inhibit bond.
- **Note:**
- Surface must be dry
- Works well above 5 Degree Celsius. For temperatures below it, kindly contact our technical team.

# STABISOL

Wall pH Stabilizing Emulsion (Exterior / Interior)

## DESCRIPTION

CEMSEAL STABISOL weatherproof emulsion is a smooth, water-based, modified acrylic protective coating with specially formulated SBR additives to assist in waterproofing and help in stabilizing pH of the wall to resist salt, dampness, algae, alkali and fungus. It also resist UV rays and helps in reducing the room temperature. CEMSEAL STABISOL also can be used as a decorative coating for interior & exterior walls (new / old plasters).



## ADVANTAGES

- Excellent opacity and whiteness.
- Improves appearance of top coat.
- Can be used as a top coat .
- Does not chalk and can be applied on adequately cured fresh plaster.
- Does not require curing with water
- Provides excellent adhesion to premium top coat emulsions, if needed.
- Prevents peeling off of top coat emulsions
- Stabilizes, Protects, Dampproofs The Wall
- 5 in 1
  - Paint
  - Primer
  - Algae repellent
  - Waterproofing
  - Alkali/ Fungus / UV Resistant

## APPLICATIONS

Water based decorative coating for interior & exterior wall. Can be used on new and old plasters. Can be used as waterproof coating of exterior wall.

## PRODUCT DATA

Packing Available	: 1 Ltr, 4 Ltr, 10 Ltr, 20 Ltr
Available Colour	: White; Use stainers for any colour.
Coverage	: On smooth masonry surface (1 Coat - 60-80 Sq.Ft/Ltr. as a primer) (1 Coat - 40-60 Sq.Ft/Ltr. as a Paint)
Drying time to Recoat	: 4-5 Hours @25°C (in dry weather)
Final drying time	: 48 Hours @25°C (in dry weather)
Shelf Life	: 12 months from date of manufacture in original tightly closed container away from direct sunlight and excessive heat

## TECHNICAL DETAILS

- **Drying time** : Surface dry time 120 min
- **Flash point IS101/1987 Part 1, Sec 6** : NA
- **Stability of thinned paint** : To be used within 24 hours

## EXPERT TIP

Use Cemseal STABISOL+ To Boost Strength, Bonding, Adhesion and Crack Bridging Capability Of Cemseal STABISOL to Enhance Waterproofing Quality and to Provide Shine. Add 1L of STABISOL+ Per 20L of STABISOL.

3 years colour fading warranty (please refer to warranty booklet for details).

# CEMSEAL LEAKPROOF

Fiber Reinforced Elastomeric Acrylic Waterproofing Membrane

## DESCRIPTION

CEMSEAL LEAKPROOF is a fiber reinforced elastomeric acrylic waterproofing membrane. It is formulated with selected elastomeric and resilient acrylic polymers and reinforcing polyester fibers. Upon curing, it forms a thick, seamless, durable membrane thus offering ultimate waterproofing. It conforms to ASTM D 412-02, BS EN 12390, ASTM D 4587, ASTMD 4541 & ASTM C 1202-97.



## ADVANTAGES

### Waterproofing

Waterproofing protection of up to 7 bars hydrostatic pressure.

### Crack bridging

Unmatched crack bridging ability due to elastomeric properties.

### Mechanical strength

Reinforced for superior abrasion resistance.

### Adhesion

Strong adhesion to masonry substrates.

### High sheen

High sheen, brilliant white colour and thick coat results in high levels of heat

### Anti carbonation

Reduces carbon dioxide and chloride ion diffusion thus protecting re-bars against corrosion

### Use & maintenance

Single pack, easy to apply and simple re-coating.

### Algae / Alkali / Fungus / UV Resistant

Reduction in 7 - 8°C temperature.

## APPLICATIONS

Quality elastomeric acrylic material. For terrace and internal/external walls.

## SPECIFICATION

Available Packs	: 1,4,10,20 Litres
Colour	: White
Recommended System	: On RCC, plaster or primer, using brush or roller
Coverage	: 10 sq. ft/ltr for double coat on terraces 30-35 sq. ft/ltr for double coat on vertical walls
Drying time	: 4 - 6 hours @25°C (in dry weather)
Recommended Usage	: Can be used on roofs, terraces, parapet, sunshades and vertical walls. It can also be applied on existing IPS, sound brick-bat coba or cementitious waterproofing.
Shelf Life	: 2 years from date of manufacturing in original tightly closed containers away from direct sunlight and excessive heat

## TECHNICAL DETAILS

Form	: Ready to use viscous liquid
Mix Density	: 1.26 + 0.02
Application temperature	: 5°C to 50°C

8 years Waterproofing warranty on terraces and vertical surfaces (please refer to warranty booklet for details).



# FLEXY COMPOUND

Heavy Duty Elastomeric Pure Acrylic Membrane

## DESCRIPTION

CEMSEAL FLEXY COMPOUND is a flexible 100% water based pure acrylic membrane. Applied as a liquid, it cures to provide a barrier to carbonation and chloride ion infiltration. It bridges cracks and minor surface imperfections, protects against driving rain, provides outstanding durability and offers long lasting protection. Allows two way water vapour diffusion to enable the concrete structure to breathe. It Conforms to ASTM D-2370, ASTM D 412-02, BS EN 12390, ASTM D 4587, ASTM D 4541 & ASTM C 1202-97



## ADVANTAGES

- CEMSEAL FLEXY COMPOUND is a high quality exterior finish designed for a wide range of exterior surfaces. With CEMSEAL FLEXY COMPOUND, you are set for good looks. protection against algae and fungal growth, better adhesion, durability.
- Non-toxic and environment friendly.
- Resistant to atmospheric pollution.
- Low dirt pickup.
- Stable over a wide range of temperature variation.
- Suitable for tint.
- Bonds well to a wide range of surfaces.
- Easy to apply & rapid drying for quick recoating.
- Exceptional film durability and fungus resistant.

## APPLICATIONS

- Bridges
- Metal roofs & walls
- New & existing concrete roofs & walls
- Stadiums, airports & shopping malls
- Industrial & commercial complex
- Multistorey car parks
- Residential buildings & bungalows
- Water tanks & pipes

## TECHNICAL DATA

Colour	: White
Type	: Pure acrylic polymer, single component membrane
Consistency	: Paste
Solids by weight	: 59% ± 2
Touch dry	: Approx 30 Mins.
Cure time	: 24 hours @30°C 50% RH
Cured Film	: Elastic & flexible
Elongation	: > 100% at break @25°C (ASTM D2370)
Shore a hardness	: Approx 30
Temperature resistance	: -20°C to +100°C
Chemical Resistance	: Exceptional resistance to very harsh chemicals & spillage of gasoline, diesel, sewage, weak acid & alkali oil etc.

## COVERAGE

10 to 12 sq.mt. per kg per coat.

## PACKING

KG: 1,4,10,20

10 years Waterproofing warranty on terraces and vertical surfaces (please refer to warranty booklet for details).

# WATERSEAL

Surface Water Repellent

## DESCRIPTION

CEMSEAL WATERSEAL is a highly efficient water repellent liquid for above ground porous brickwork, cement renderings, asbestos cements, cast concrete, roughcast, all stonework, wood and leather (including calcareous materials, i.e. those containing limestone). CEMSEAL WATERSEAL is completely colourless and does not alter colour texture of the brickwork, rendering or stone work. For maximum protection, a two coat application will normally prevent and cure penetration of rainwater through porous above ground structures. Depending upon the nature of the surface and conditions of exposure the treatment may be expected to give protection anywhere between 3 to 10 years.



Occasionally, cavity walls treated with expanded foam insulation can be found to be giving problems of damp patches which appear on internal walls after rainfall. This is usually interstitial condensation caused by a saturated outer leaf, or capillary action due to bridging of the cavity. The problem may be prevented by the application of one coat of CEMSEAL WATERSEAL, which allows the walls to shed water more easily and as the outer wall is thus constantly dry actually improves the insulation and reduces loss.

## ADVANTAGES

- Makes the walls and stone water repellent while allowing it to breathe.
- To avoid fungus and moss growth
- Increases the durability of plaster and paint
- Maintains aesthetic sense of natural stones,
- Easy to use, avoids stains.

## APPLICATIONS

Water repellent for porous brick work, cement rendering, concrete and old stone work.

## PRODUCT DATA

Colour	: Light Milky Solution
Drying point	: 3 - 4 hours
Flash point	: Not applicable
Shelf Life	: 1 year
Storage	: Store in cool dry place free from frost
Coverage	: 6 to 8 sq metre depending on porosity of the surface

## SPECIAL PROPERTIES

- CEMSEAL WATERSEAL is for use on brickwork (Including clay and calcium silicate), renderings, in situ and precast concrete, stonework (including limestone), wood, unglazed tiles, canvas, and hessian.
- Ready to use
- It may be applied by brush and spray
- It will shed water borne dirt and retain surface contamination
- Helps to resist fungal growth by keeping brickwork dry & aids insulation. Is colourless and non-staining
- Transmits air water vapour
- Becomes effective immediately after drying
- May also be used as treatment for gypsum plaster and plaster board prior to wall- papering to permit subsequent removal of the wallpaper without damage to the blocking.
- Meets the requirement of BS 6477:1992 for substrate groups I & II

# METASOL

Water Based Metal Primer

## DESCRIPTION

CEMSEAL METASOL is most economical water based Primer for Metal & Steel. It has good adhesion & gives fairly good corrosion resistance to metal. It can be brushed or sprayed. It gives hard & tough coating on metal surface. It Conforms to IS 101/1987, part 1-Sec 6.



## ADVANTAGES

CEMSEAL METASOL has good anti settling properties and offers good opacity, coverage, flow, leveling, good adhesion & good corrosion resistance.

## APPLICATIONS

Water based anti corrosive coating for metal and steel.  
Steel and metal furniture, steel and aluminum sheets.

## PRODUCT DATA

Finish	: Semi Matt
Colour	: Redoxide, Black, Yellow, Light Grey
Drying time	: Surface dry - Less than 45 minutes @25°C (in dry weather) Hard Dry - Less than 12 hours @25°C (in dry weather) Over Coating Time - Minimum 6 Hours @25°C (in dry weather)
Covering Capacity on smooth mild steel surface	: 160 to 170 sq. ft./Ltr/Coat for 18 to 20 micron dry film thickness by brush depending upon surface.

## TECHNICAL DETAILS

Flash point 18101/1987 Part 1, Sec 6 : >30°C [>85°F ]  
Stability of thinned paint : To be used within 24 hours

## COVERAGE

160 to 170 sq.ft. per litre per coat  
for 18-20 micron dry film

## PACKING

LTR: 1,4,10,20

# CEMSEAL FLOOR HARDNER

Impact & Abrasion Resistant Floor Hardener

## DESCRIPTION

CEMSEAL FLOOR HARDNER is a range of high quality grades aggregates conforming to British standard 812 - PART 3 : 1975 & IS 526 : 1970. Specially designed for uses where extremely high wearing resistance and dustproofing floors are expected e.g. loading bays, factories, warehouses, car-parkings, trucking lanes, workshop, garage, subway, power stations and abattoirs.



## ADVANTAGES

- High impact resistance
- Non-dusting under wet condition.
- Easy and economical to apply
- Anti-slip floor surface
- Hardwearing and dustproof floor

## PROPERTIES

COLOUR	: Dark Grey (Green & Blue can be provided as a specific requirement)
Hardness	: 7 on Mohs Scale.
Storage life	: Upto 12 months from date of manufacturing when stored in dry and cool conditions.

## RECOMMENDED DOSAGE

Light Traffic	: 3 kg per square meter
Medium Traffic	: 5 kg per square meter
Heavy Traffic	: 7 kg per square meter

## PACKING

KG : 30



# CEMGROUT - NS

NON - Shrink Foundation Grout - Cementitious

## DESCRIPTION

CEMGROUT - NS is a cementitious based ready - to - use non shrink, non metallic compound, specially blended of portland cement, highly graded silica sands, plasticizing aids and expanding agent. CEMGROUT - NS is non corrosive, non oxidizing and is free of cholorides and nitrates.

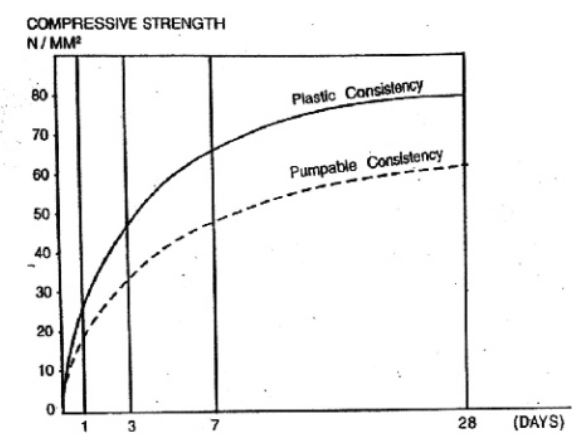


## PROPERTIES

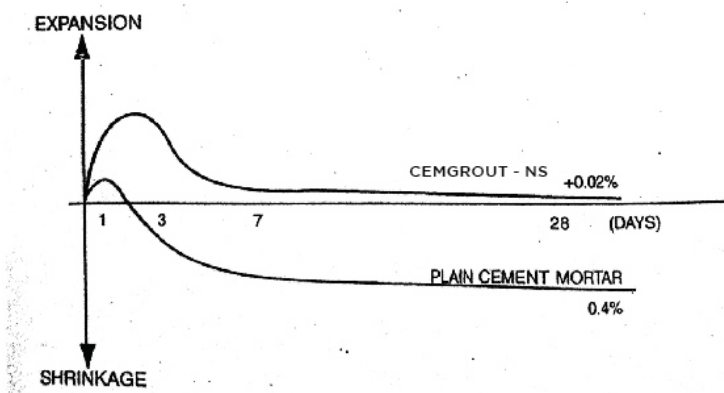
- Ready - to - use, only requires the addition of a predetermind amount of water
- Factory blended and packed to eliminate site variations and errors
- High compressive strength
- High early strength even at fluid consistency. Non- shrinking under restraint, free of bleeding and settlement
- Easy application in difficult access areas by pumping or pouring with flow consistency mix
- Excellent cohesiveness
- Long - term stability and durability
- Composition free of chlorides and metallic compounds
- Weatherproof

## PRODUCT DATA

Colour	: Grey
Consistency	: Powder
Packing	: 20, 30 & 40Kg
Shelf life and storage	: 12 months if kept in dry condition and in the original sealed sack.



Compressive strength of CEMGROUT - NS in plastic and pumpable consistencies @ standard lab conditions.



Change of Volume - comparison between CEMGROUT - NS and plain cement mortar @ standard lab conditions.

# CEMSEAL KRACKFILL

Non-shrink, High Strength Crack Filling Powder

## DESCRIPTION

A non-shrink, high strength crack filling powder for surface cracks in plaster. CEMSEAL KRACKFILL powder is a specially formulated cement based polymer modified powder for filling cracks in plastered surfaces. Powder when mixed with water forms a creamy consistent paste which is easy to use for filling cracks in plastered surfaces.



## BENEFITS

- No Shrinkage
- Excellent adhesion
- Overcoatable after curing.
- Replaces costly sealants and putties.
- Accommodates movements in the cracks.
- Universal stainer can be mixed with crack filler.
- Single component and needs only mixing with CEMSEAL KRACKFILL+ or water.

## AREA OF APPLICATION

Repairing of internal and external cracks in plastered surfaces.

## METHOD OF APPLICATION

- Widen the crack by cutting the plaster in "V" shape around the crack. Clean the crack to remove all loose material. Ensure the surface is free from oil, dust and grease.
- Mix CEMSEAL KRACKFILL powder in CEMSEAL KRACKFILL+ in proportion 2.5 part CEMSEAL KRACKFILL powder to 1 part of CEMSEAL KRACKFILL+ by volume.
- CEMSEAL KRACKFILL+ can be replaced by water if unavailable.
- Moisten the surface slightly before applying CEMSEAL KRACKFILL powder
- Press CEMSEAL KRACKFILL powder paste into the cracks using a spatula or putty knife. Level the surface with a putty knife to get a smooth & clean surface. Painting operation can start after 24 hour when CEMSEAL KRACKFILL powder is completely cured.

## TECHNICAL INFORMATION

Shelf Life	: 12 Months
Coverage	: Approx 60 RFT/KG for 5 mm x 5 mm crack
Nature	: White coloured powder
Storage	: Store in a cool and dry place

## PACKAGING

1 KG & 20 KG

## EXPERT TIP

Use Cemseal KRACKFILL + To Boost Strength, Bonding, Adhesion and Crack Bridging Capability of Cemseal KRACKFILL to Enhance Waterproofing Quality. Add 200ML of KRACKFILL+ Per 1KG of KRACKFILL & 150ml water.

# WOODY WOODSOL

Water Resistant Wood Primer With Anti Termite Formula

## DESCRIPTION

### Water Based WOODSOL:

WOODSOL is an anti terminate formula to protect wood from swelling. It helps preventing blistering on wood. It penetrates, seals & fills the wood fiber & gives a very good adhesion to surface. Finished solution can be applied easily without absorbing and prevents from weather. Provides excellent adhesion. It conforms to IS 101/1987 part 1, Section 6.



## BENEFITS

- Makes the woods water resistant.
- Provides good adhesion to wood.
- Anti termite.

## APPLICATION

Water based wood coating to prevent wood from termite, swelling, blistering. To be applied on ply wood and blackboard wood etc.

## PRODUCT DATA

Recommended Use	: Surface plywood, black board wood, pressed wood
Finish	: Semi matt
Colour	: White
Covering Capacity	: On smooth surface : 130 to 150 sq.ft./ltr/coat for 15 micron dry film thickness depending upon surface by brush
Drying Time	: Single Coat at Standard thickness: <b>Touch Dry</b> : 4-6 hours, <b>Recoat</b> : 16-24 hours
Thinner recommended	: DM Water
PACKING	: LTR: 1,4,10,20

## APPLICATION VISCOSITY

- Brushing - 45 to 50 sec at 30° C by FC No 4
- Spraying - 25 to 30 sec at 30° C by FC No 4

# CONSPEED SPECIAL

Accelerator for Concrete (Modified Calcium Chloride Based)

## DESCRIPTION

CONSPEED Special is an accelerating water-reducing admixture based on modified calcium chloride, designed to accelerate setting time by increasing the density and aiding the hydration reaction with calcium chloride. It conforms to BS 5075 : Part 1 : 1982 and ASTM C494-80 Type E.

## SPECIAL PROPERTIES

- Speeds up the initial setting time, thus , enabling formworks to be removed earlier and re-used.
- Enables the production of workable, high early strength, higher density concrete with reduced tendency to segregate, bleed and creep.
- Aids compaction and the production of clear faced concrete.

## TYPICAL APPLICATION

- CONSPEED Special is of particular value to the precast concrete industry where it is necessary for concrete to set more rapidly for greater productivity.
- Standard mix design methods may be used, reducing the cement content by Approximately 10% when compared with plain concrete at equivalent workability. With harsh aggregates or gap-graded mixes, the cement reduction may be less than 10%; however, a marked improvement in cohesion will be achieved with reduced segregation and bleeding.



## PRODUCT DATA

Colour	: Clear
Consistency	: Low viscosity liquid
Dosage	: 0.2 - 1.0 litres per 50 kg cement
Flash point	: Non - flammable
Storage	: Protect from extreme temperatures
Shelf life	: 12 Months in sealed container

## PACKING

KG : 50, 250



## DESCRIPTION

MRA is specially formulated blend of fatty acids, which gives superior performance to conventional mould oils. The fatty acids react with the water in the concrete to form a thin water repellant barrier, thereby enabling easy stripping of the formwork from the concrete surface. MRA is a milky emulsion with water and contains rust inhibitor to impart anti-rust, anti-corrosion properties and a biocide to prevent bacterial growth in the emulsion. This oil has superior cooling and lubricating properties which impart excellent surface finish and minimises tool wear.

## PROPERTIES

- MRA is a low viscosity, easily sprayable liquid or brush applied or with cotton waste.
- MRA is non-staining and is suitable for use with even white cement.
- MRA prevents rust forming on steel forms and can also be used to protect concreting plant after use
- MRA helps to reduce the cleaning time for formwork and concrete plant.
- MRA extends the life of the formwork due to the reduction of mechanical cleaning required.
- Allows air which would normally be trapped at the interface of the concrete and formwork to escape during vibration and reduces the incidence oil blow holes in the concrete face. This reduces the surface imperfections and also the need for remedial surface treatments at a later stage.

## APPLICATION

On new formwork, no preparation is required. On used formwork, preparation as below:  
(A) Steel, rubber and plastic formwork : All rust, grease and cement paste should be removed before application of MRA  
(B) Wooden formwork: All adhering cement paste should be removed and the surface scraped to remove any old mould oil that may be present.

## PRODUCT DATA

Specific Gravity	: 0.80 to 0.90
Physical Appearance	: Pale amber coloured liquid
Chloride content	: NIL
Nitrate content	: NIL
Flash point	: 150°C
Storage	: 12 months from date of manufacturing in sealed containers @ standard conditions.

## COVERAGE

Coverage of formwork will vary considerably according of the type of form used. On new rust free steel forms rates up to 675 sq.ft./litre after dilution will be obtained but on absorbent wooden forms this may be reduced to 330 sq.ft./litre after dilution.

## PACKING

KG : 50, 250

# CEMCURE S & W

Curing Compound

## DESCRIPTION

	Curing Efficiency	Specification Compliance
- CEMCURE - Silica Based (CEMCURE-S)	In excess of 80%	ASTM C309 : 77 TYPE   Class A
- CEMCURE - Wax Based (CEMCURE-W)	In excess of 90%	ASTM C309 : 77 TYPE    Class B

CEMSEAL CEMCURE is a water based coating, specially designed to deposit a low cost and highly efficient curing membrane in the form of a film, which retains moisture and water in freshly placed concrete to ensure the strength development of the concrete, and with additional advantages of non- toxicity and the elimination of fire hazard.

## SPECIAL PROPERTIES

- A water based low hazard material, non-flammable, low cost concrete curing system with high curing efficiency.
- Enables the concrete to achieve harder and dust free surface.
- Minimizes drying shrinkage and crazing (hair cracks) in concrete.
- Designed specifically for application to exterior concrete pavements and mass concrete construction.
- Ensures the strength development of the concrete.
- CEMCURE provides solar reflective film.



## APPLICATION

- CEMSEAL CEMCURE is suitable for use under conditions of high temperature and is designed specifically for application to exterior concrete pavements and mass concrete construction. It is not recommended for use where the temperature is below 5°C.
- For horizontal surface, the CEMSEAL CEMCURE should be applied to newly placed concrete as soon as the initial surface has disappeared from concrete face.
- For vertical surface, immediately upon removal of formwork, it is essential to clamp down the concrete surface with clean water prior to the application of CEMSEAL CEMCURE.

## PRODUCT DATA

	Cemseal Cemcure -S	Cemseal Cemcure -W
• Appearance (wet)	: Milky white liquid	Milky white liquid
• Appearance (dry)	: Clear	White
• Flash point	: Non - flammable	Non- flammable
• Storage	: Protect from frost	Protect from frost
• Packing	: 210 litre drum	210 litre drum
• Appearance	: Solar reflective, water repellent tackfree film.	Solar reflective, water repellent, tackfree film

## COVERAGE

The generally recommended rate of application of CEMSEAL CEMCURE is 5 square metre to 6 square metre per litre, and should be applied by low pressure pneumatic spray system or conventional knapsack sprayer, as evenly as possible on to the freshly placed concrete surface.

# CEMPOXY – ULTRA

## Multipurpose Epoxy Adhesive

### DESCRIPTION

Cempoxy Ultra represents a two-component epoxy adhesive that offers exceptional bonding capabilities, capable of adhering anything from small components to large structural elements that doesn't have plastic/ polymer in it. This versatile system is composed of Epoxy resin and hardener, which must be thoroughly mixed in the recommended ratio to achieve the best results. Being a thermosetting system, Cempoxy Ultra involves the curing of the resin and hardener through polymerization to form a rigid thermoset mass. Although this mass may soften upon heating, it will not melt or flow. Notably, this adhesive does not contain any volatile substances like solvents or water, resulting in minimal shrinkage during the curing process. Thanks to its internally flexibilized composition, Cempoxy Ultra creates robust joints with excellent low creep properties, making it the ideal choice for various structural bonding applications.



### ADVANTAGES

- FAST SETTING - Handling strength is achieved within 4 hours.
- High shear and peel strength
- Good electrical and thermal insulation properties
- Better pot life
- Water resistance
- Easy to apply
- Solvent free hence better mechanical & flexible strength to provide shock resistance
- Non-sagging nature helps in vertical applications
- Good solvent/Chemical resistance
- Better dimensional stability.
- Long lasting bond

### APPLICATIONS

Cempoxy Ultra, a versatile structural adhesive, has found widespread use across numerous industries, making it an indispensable tool for engineers. Its applications span various sectors, including OEM, Wood Working Joinery, and Maintenance. This adhesive has demonstrated its value in countless scenarios, proving its effectiveness in areas like Wood Working, Automobile, Electronics, Electrical, Railway, Aeronautical, Construction, and various other engineering industries.

### TECHNICAL INFORMATION

Specifics	Unit	Value
Mixing ratio	Weight/ Weight	100:80
Pot life @ 25° C	Minutes	35 to 45
Surface Dry of thin film @27° C	Minutes	60 to 90
Touch Dry of thin film	Minutes	150 to 180
Shear adhesion strength @ 28 days	Minutes	240 to 360
Adhesion Tensile Strength (MS-MS) at 35°C after 24 hours (tested at 30°C)	KG/ sq cm	> 160

### CURING TIME versus TEMPERATURE

- Curing time depends on the weather temperature.
- Higher temperature results in faster curing.
- Care should be taken while subjecting the component to higher temperature

### Mixing of Resin & Hardener

Resin & Hardener should be mixed thoroughly in volume 1:1 or in weight 100:80. The Resin and Hardener must be thoroughly mixed until they create a consistent and uniform blend.

### COVERAGE

9 square meter per 1.8 KG on flat mating surfaces with 200 micron thickness.

### PACKING

Grams: 450, 900  
KG: 1.8

# CEMQUICK

## Ethyl Cyanoacrylate Adhesive

### DESCRIPTION

Cemquick, an ethyl cyanoacrylate adhesive with low viscosity, is ideal for bonding a diverse array of materials when rapid curing is essential. Upon application of a thin layer of Cemquick between two surfaces, it reacts with atmospheric moisture, leading to swift polymerization and the formation of a strong bond.



### APPLICATIONS

Cemquick is specifically designed to provide robust, versatile bonding for a variety of non-porous substrates such as plastics, rubbers, and metals, as well as porous materials like wood and leather. It is suggested for applications involving tightly fitting components and uniformly smooth surfaces. Additionally, it can be applied post-assembly to infiltrate parts effectively.

### HOW TO USE?

1. Ensure that the surfaces intended for bonding are thoroughly cleaned and dried, preferably by solvent-wiping plastics, glass, and rubber, and by acid-treating metals if applicable.
2. Apply a single drop or several drops onto one surface only. Use just enough adhesive to create a thin film once compressed.
3. Press the parts together firmly and maintain pressure for a few seconds. Achieving good contact is crucial, and a sufficient bond typically forms in less than one minute.
4. Remove any excess adhesive from the container's top and securely recap Cemquick after use, as exposure to air can lead to contamination from moisture and subsequent deterioration.
5. Note that due to polymerization, Cemquick may sometimes exhibit whitening on the container's surface.

### RESTRICTION OF USAGE

It will not bond PTFE, nylon, polypropylene etc.

### SHELF LIFE

8 months from date of manufacturing. If seal is opened, shelf life doesn't apply.

### STORAGE

- Keep products in the unopened container in a cool and dry location.
- Best when stored product in a cool, dry place at temperature 20-25°C.
- Temperatures less than 2°C can adversely affect product properties. Do Not Freeze.
- Keep packing tightly closed until ready for use.

### PACKING

30 grams & 50 grams

### SAFETY PRECAUTIONS

- Material taken out of containers could become contaminated during usage. Refrain from returning any unused product to its original container.
- Ensure proper ventilation when using.
- Avoid contact with skin and eyes. In case of skin contact, rinse with warm water or dissolve gradually with a solvent like acetone; do not attempt to forcibly remove.
- If adhesive enters the eye, keep the eye open and rinse thoroughly, then seek immediate medical attention.
- Keep out of the reach of children. For further details, refer to the material safety data sheet or contact on customer care number



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## **SAFETY PRECAUTIONS**

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Reseal containers after use.

## **TECHNICAL INFORMATION & SERVICES**

Further information and advice including practical demonstration are freely available from the technical service department of Cemseal Industries Ltd.

## **NOTE**

- Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local Cemseal representative.
- Cemseal reserves the right to have the true cause of any difficulty determined by accepted test methods.



...Building on over 200 years' experience

Manufactured & Marketed by :  
**CEMSEAL INDUSTRIES LTD.**

**UNIT ADDRESS**

**K** C-1/B-97 G.I.D.C Industrial  
Estate, Kalol, Panchmahals,  
Gujarat - 389330

**R** Plot no 30, Marble market  
Sejbahar, Raipur,  
Chhattisgarh - 492015

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