

# NSA RUBY

Polymer Based Non-Skid Tile Adhesive

## DESCRIPTION

Flexible tile adhesive for tiles & stones at any height.

## USES

- Tile claddings. • Porcelain tile.
- Vitrified tile. • Low 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.

## 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.
- Excellent tensile adhesion & shear adhesion strength- superior quality.

## ADVANTAGES (White)

- For floor, wall & ceiling - interior & exterior. • For dry & wet application areas.
- Provides shock & load resistance. • Provides vibration resistance.
- Specially formulated for swimming pool application. • Prevents discolouration.
- Excellent bonding strength & waterproofing properties.
- Excellent tensile adhesion & shear adhesion strength-superior quality.

## SUBSTRATE

RCC, Cement sheet, Plaster, AAC blocks, Tile on tile, Stone.

## COMPLIANCE STANDARD

IS 15477:2019, EN 12004.

## SURFACE PREPARATION

The surface should be sound and thoroughly cleaned. Old surface should be free from wax, grease, dirt, flakes & loose particles.



## MIXING

Add 25 to 35 % water per 20 kg bag, depending on the requirement.

## METHOD OF APPLICATION

- Spread the adhesive to require bed thickness and comb with a notch trowel.
- Strictly apply the adhesive part which can be tiled within 10 to 15 minutes.
- Start placing the tiles on the surface. Tap the tiles properly to ensure complete coverage on the backside of tiles.

## COVERAGE

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

## POT LIFE

Always mix the required quantity, which can be consumed within 45 minutes pot life.

## LIMITATIONS

Do not add additional water or powder after tile adhesive gets set. For ceiling application, contact technical department prior to application for approval.

## CURING

Allow tiling to set for 24 hours and start filling joints next day with CEMSEAL WATERPROOF TILE GROUT or CEMSEAL EPOXY GROUT.

## CLEANING

CEMSEAL NSA should be removed from tools & equipment immediately after use with clean water, only hardened material should be removed mechanically.

## PRECAUTIONS

CEMSEAL NSA should be kept away from direct sunlight, humidity & dampness.

## STORAGE LIFE & CONDITION

12 months on sealed pack at room temperature in dry area.

## AVAILABLE PACKINGS

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

## TECHNICAL INFORMATION

Properties	Standard test method	Results
Appearance	-	Grey/White colored powder
Grade	-	Type 3 & C2TE*
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>
Shear adhesion strength @ 28 days	IS 15477:2019, EN 12004	> 2.0 N/mm <sup>2</sup>
Pot life	-	Approx. 2 hours
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

## HEALTH AND SAFETY

Contents Portland cement , silica sand & polymers. May irritate eyes & skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water. Do not consume in any way. Silica sand may cause serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas. Keep out of reach of children.

## 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.

### Address

**Plant 1** : C-1/B-96-97 G.I.D.C Industrial Estate, Kalol, Panchamahar, Gujarat - 389330

**Plant 2** : Plot no 30, Marble Market Sejbahar, Rajpur, Chhattisgarh - 492015

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