

## 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.

### SPECIAL PROPERTIES

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

### SPECIFYING

CEMSEAL FLOOR HARDNER should be specified by name site work instruction are summarized below



### SITE WORK - METHOD OF APPLICATION

#### MONOLITHIC BOARDCASTING METHOD/DRY SHAKE METHOD

**BASE CONCRETE** : The base concrete should have a minimum cement content of 300 kg per cubic metre and placed in accordance with good concrete practices.

**APPLICATION** : The CEMSEAL FLOOR HARDNER is usually applied in two stages. Firstly 2/3 of the dry mix is boardcast in the freshly laid concrete floor during the initial set and spread evenly with wooden float, the remaining 1/3 of the dry mix is then boardcast and towelled to give the desired finish with power-float of weight not less than 60 KG. Particular attention should be paid to bay edges and corners to ensure full compaction.

**CURING** : After final trowelling the floor surface should be cured with water.

## RECOMMENDED COVERAGE

Light Traffic : 3 kg per square meter

Medium Traffic : 5 kg per square meter

Heavy Traffic : 7 kg per square meter

## RECOMMENDATIONS

Isolation joints around columns should be circular or diamond shaped and thick enough to permit differential movement. Joints should be cut 5 mm wide 40 mm deep, cleaned and left open for 28 days before sealing.

## STRESS RELIEF JOINTS AND BAY SAIZES

Length of bays should not be more than 1.5 times the width with the following maximum dimensions.

100 mm thick concrete slab - Not more than 14 m<sup>2</sup>

150mm thick concrete slab - Not more than 28 m<sup>2</sup>

**CURING :** After final trowelling and as soon as the surface has hardened, it should be cured with CEMSEAL CEMCURE W- Wax Based or by wet gunny bages or ponding for a minimum period of 3 days. During this period, the floor should not be subjected to any traffic.

## TYPICAL 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 according to manufactures Instruction.

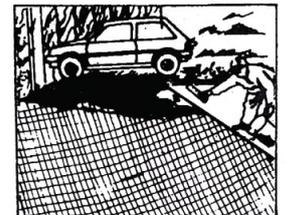
## SAFETY

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

PROCEDURES FOR MONOLITHIC BOARDCASTING METHOD



Cemseal Floor Hardener being unloaded



Broadcasting the Cemseal Floor Hardener



Using heavy steel straightedge or wooden float to level topping.



Final trowelling

## 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.

### 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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