

HYDRASEAL

A HIGH PERFORMANCE POLYMER MODIFIED ELASTOMERIC CEMENTITIOUS WATERPROOFING MEMBRANE

CEMKRETE®

ISO 9001 & 14000 CERTIFIED

DESCRIPTION

HYDRASEAL is a high performance two component polymer modified waterproof membrane which is supplied in ready-mix kits. When mixed, an easily brushable coating is produced. It can simply be applied by a stiff brush, roller, or trowel to obtain the desired thickness.

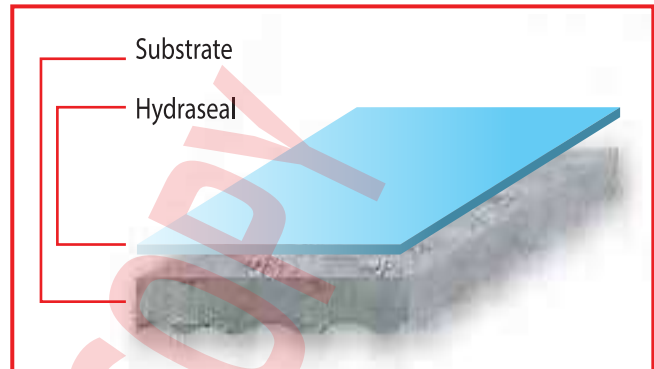
HYDRASEAL consists of specially selected cements graded hard wearing aggregates and additives supplied in powder form together with a liquid component of polymers providing exceptional adhesion, resiliency, flexibility, toughness and durability.

USES

HYDRASEAL when fully cured, provides a seamless elastic waterproof coating to be used in wet areas, roofs, basement, pre-cast joints where a tough elastomeric water tight membrane is required & also designed to waterproof areas including bath rooms, toilets, balconies, kitchen, planter boxes, etc.

ADVANTAGES

- Excellent to apply onto damp substrates
- Elastomeric-able to bridge cracks
- Able to accept foot trafficking when fully cured
- Factory pre-blended two component system ensure Quality control at site
- No primer required
- Excellent to withstand water pressure



Technical Data :

No. of Components	2
No. of Coats Recommended	2
Pot life	Approx. 1.5 hour @ 35°C
Mixing Ratio	4 : 1
Adhesion to Substrate (ASTM D4541:1989)	>1.20 N/mm ²
Shore A hardness (ASTM D2240:1997)	40
Tensile Strength (N/mm ²) (ASTM D412-91)	>1.00 N/mm ²
Water Permeability (DIN 1048:Pt 5: 1991)	Nil
Water Vapor Transmission (ASTM E96:1995)	0.50 g/hr-m ²
Crack Bridging	Passed
Setting Time	Foot traffic : 4 hours Light vehicle : 24 hours
Estimated Coverage	1 st coat : Approx. 2 kg / m ² per coat 2 nd coat : Approx. 2 kg / m ² per coat
Packaging	Powder : 20 kg & Liquid : 5 kg

NOTE: Coverage figure given is theoretical. Due to wastage factors, the variety nature of the substrate, and the site application condition, etc., the practical coverage may be reduced.

The information given in this data sheet is to the best of our knowledge true and accurate; but as we have no control over where or how the product is applied, there are no warranties expressed or implied regarding the product's use or performance. Customers are advised to thoroughly test before adapting them to their own use. It is strongly recommended to trial on small area before large scale application.

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STANDARDS COMPLIANCE

HYDRASEAL conforms to the specification of the following standard :

DIN 1048, Part 5, 1991
ASTM E96 : 95
ASTM D412 : 91 and
ASTM D2240 : 95

INSTRUCTION FOR APPLICATION

SURFACE PREPARATION

All surfaces which are to receive HYDRASEAL coating, must be free from oil, grease, wax, dirt or any other form of foreign matter which might affect adhesions. Any spalled off and deeply disintegrated concrete should be removed to make sound concrete.

MIXING

The HYDRASEAL Liquid concentrate is poured from the plastic container into the metal drum supplied and mixed mechanically with a slow speed drill (350-450 rpm) fitted with a Mixing Paddle. Add the powder component gradually to the liquid to avoid lump formation and mix for 4-5 minutes until a smooth consistent mix is achieved. Use the material within the recommended pot life.

ESTIMATING AND APPLICATIONS

SUPPLY

Components
Powder : 20 kg
Liquid : 5 kg

APPLICATION

For best results damp the surface before coating with HYDRASEAL. Use a short, stiff bristle brush preferably 120 to 200 mm in width. Apply like a paint using one or two coats as required. For trowel application, ensure that the substrate is levelled and repaired of any undulations or pot holes. HYDRASEAL should be applied to the recommended coverage.

It is recommended that general re-surfacing and areas subjected to light foot traffic should receive a HYDRASEAL in two coats of 500 microns each to give a 1mm thick coating. Additional coatings may be required for areas of moderate to heavy pedestrian conditions.

COVERAGE

Waterproof coating

- The first coat : Approx. 2 kg / m² per coat.
- The second coat : Approx. 2 kg / m² per coat.

Note: Coverage figures are theoretical and due to wastage factors and the variety of nature of probable substrates the practical coverage will be varied.

CLEANING

HYDRASEAL should be removed from tools and equipment immediately after use with clean water. Hardened material can only be removed mechanically.

TECHNICAL SERVICE

CEMKRETE offers a comprehensive technical support service to specifiers, end users and contractors. It can also offer on-site technical assistance, an AutoCAD facility and dedicated specification assistance in locations where its demanded.

STORAGE

HYDRASEAL has a shelf life of 12 months in unopened Conditions and kept in a dry store.

PRECAUTIONS

HEALTH AND SAFETY

Gloves and goggles should be worn. Any splashes to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, seek medical advice. Powder products should be handled to minimize dust formation and therefore use a light mask if excessive dust unavoidable.

ADDITIONAL INFORMATION

CEMKRETE manufactures a wide range of those complementary products which includes:

- Waterproofing membranes & waterstops
- Joint sealants & filler boards
- Cementitious & epoxy grouts
- Specialized flooring materials
- Fireproof coating and systems
- Concrete admixture
- Repairing material

With a wealth of technical and practical experience built up over many years in our pursuit of excellence especially in the protective, flooring and concrete technology, make CEMKRETE your partner today. Contact our hotline now.

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