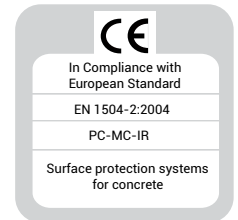




WATER BASED REPELLANT SEALER

- Quick acting and easy to apply
- Does not alter the appearance of the surface
- long lasting, cost effective
- Deep penetration protects it from weathering, ultraviolet rays
- Reduces chloride ion intrusion and its negative effects through repelling of water
- Manages corrosion to expand service life of reinforced concrete
- Not a vapour barrier allowing treated surfaces to “breathe”
- Reduces water absorption



PRODUCT DESCRIPTION

SUPERSHIELD CLEARSEAL is a ready to use water based sealer that penetrates deep into the concrete and masonry surfaces and hydrolysis in the pores and capillaries forming a weather and chemical barrier without changing the appearance. It is specially formulated to work by itself and in conjunction as a topcoat with SUPERSHIELD CRYSTALSPRAY/VAPORSTOP and as well with SUPERSHIELD HARDSEAL.

AREAS OF APPLICATION

SUPERSHIELD CLEARSEAL is applied by itself onto concrete, bricks, stone, masonry surfaces, terracotta tiles, pavers, grout and any neutral substrates to form a weather and chemical barrier without changing their original appearance.

RECOMMENDED FOR

- Prevention of deterioration arising out of soluble salts and freeze/thaw damage in reinforced concrete and porous block or brickwork.
- Building facades and civil engineering structures.
- Suitable for use on exposed horizontal and vertical surfaces including bridges and parking decks, barriers and marine structures.
- To help prolonging the design or service life of buildings and civil engineering structures.

**TECHNICAL DATA**

| | |
|--------------------------|---|
| Product Code | SCP104 |
| Colour and Appearance | Transparent - Liquid |
| Density | 0.95 Kg/litre |
| Surface Water Absorption | 1 hr - 0.0068 24 hrs - 0.0030 reduces moisture absorption by 93% |
| Chemical Resistance | Moderate resistance to 10% solutions of acid, alkali & petroleum solvents (immediate removal of spillage recommended) |
| Stain Resistance | Reduces permeability of stains, oils etc to the surface (immediate removal of the spillage & cleaning will minimize staining) |

Performance characteristics for CE certification according to EN 1504-2:2004, 2+

| Test type | Standards | Performance |
|---|-----------|---|
| Depth of Penetration | EN 14630 | Class II > 10mm |
| Water Absorption & Resistance to Alkali | EN 13580 | Absorption ratio < 7.5 % compared with untreated specimen < 10 % after immersion in alkali solution |
| Drying Rate Co-efficient | EN 13579 | Class I > 30% |
| Loss of Mass after Freeze thaw test | EN 13581 | Loss of mass 20 cycles later than in non-impregnated samples |
| Dangerous substances | | Complies with EN 1504-2, 5, 3 |



APPLICATION GUIDELINES

SURFACE PREPARATION

Surfaces to be coated must be absorbent, sound, clean and free of oil, grease, efflorescence and other contaminants. Completely remove previous membrane coatings and do not apply to non-absorbent surfaces. The surface must be predominantly dry. New concrete should be cured for 28 days. When SUPERSHIELD CLEARSEAL is applied as a top coat in conjunction with SUPERSHIELD CRYSTALSPRAY/ VAPORSTOP or SUPERSHIELD HARDSEAL, prior curing of the SUPERSHIELD RYSTALSPRAY/ VAPORSTOP and SUPERSHIELD HARDSEAL treatment for a minimum of 3 days is required.

Coverage (Approximate) : 5 m²/litre/coat.

APPLICATION

SUPERSHIELD CLEARSEAL can be applied as a single coat using a brush, broom or low-pressure sprayer. Apply evenly with steady even strokes - do not flood the surface. Work SUPERSHIELD CLEARSEAL into surface irregularities and apply liberally. Excess coating might form white patches on the substrate, which can be washed off with water.

HEALTH AND SAFETY

SUPERSHIELD CLEARSEAL contain chemicals, which may cause skin irritation. For personal precaution, protective gloves and goggles are recommended to be worn during handling of this product. If product gets in contact with the eyes, flush immediately with clean water and seek medical assistance if symptoms prolong.

STORAGE

SUPERSHIELD CLEARSEAL must be stored under room temperature. Cold temperatures may cause the product to crystallize. When stored in a dry place in unopened, undamaged original packaging, shelf life is 24 months. Do not allow product to freeze. Repeated freezing and thawing might cause damage for the product.

PACKAGING

Available in 25 Litre Carboys, 200 ltr drums, 1000 ltr bulk containers.