

# British Waterproofing SHIELDCRETE ADVANCED

It is a very active coating system based on mixture of specially modified acrylic emulsion and cement.

**Uses:** It is used to enhance the properties of cement mortar required for new construction as well as for repair and renovation of old concrete structure.

## FEATURES

- It provides tough and flexible surface with characteristic of water proofing
- Develops strong bonding to most of the building materials
- Easy application with uniform thickness
- Corrosion resistant
- Reduces penetration of salt / water into concrete
- It provides high compressive strength / tensile strength / flexural strength to concrete / masonry
- Resistant mild acid / alkali / salts
- Resistant to UV radiation



## TECHNICAL DATA

<b>Appearance</b>	:	Milky White Modified Acrylic Emulsion
<b>Active Content (Wt./Wt.)</b>	:	31±1%
<b>Mixing ratio (For fillers)</b>	:	Cement - 1 kg
<b>Dr. Seal It Shieldcrete</b>	:	Fine Silica - 1kg
<b>with cement / Fine Silica</b>	:	Shieldcrete Advanced - 0.5 kg
<b>Mixing ratio (For finish coating)</b>	:	Cement - 1 kg
	:	Shieldcrete Advanced - 0.5 kg
<b>Potlife of mixed Paint:</b>	:	30-35 minutes at ambient Temperature
<b>Sp. Gravity</b>	:	1.01 ± .01
<b>pH</b>	:	8 to 9
<b>Coverage</b>	:	kg/m <sup>2</sup> kg/m <sup>2</sup>
<b>(as per lab application)</b>	:	1 coat on 2 coat on concrete concrete
<b>Cement</b>	:	0.5 0.750
<b>Dr. Seal It Shieldcrete URP</b>	:	0.25 0.375

## APPLICATION

- Concrete surface is to be cleaned to remove dust, loose materials and any other foreign deposits by method of grinding, sand blasting, water blasting, acid cleaning as suitable and approved
- Concrete surface needs to be pre-wetted for minimum one hour prior to application of Shieldcrete Advanced. Before application water must be removed and surface should remain damp
- Any depression on surface should be filled and leveled with Shieldcrete Advanced fillers (based on mix as mentioned in above technical data)
- For finish coat mixing ratio is to be followed as mentioned in above technical data. The mixer should be stirred thoroughly to make it free from any entrapped air bubbles and to smooth uniform consistency
- Mix is to be applied by brush on prepared surface. Surface should be made wet / damp in case of porous nature of surface
- Two or more coats are recommended. First coat is to be allowed to dry for 5-6 hours before second coat. Interval between coats 5-6 hours

## CURING

- Application should be done at temperature above 10°C and below 35°C. After application of final coat, initial air drying is to be allowed for 5-6 hours, after that moist curing shall be done for the next 24 hours by periodic spraying of water
- Following moist curing, the coating shall be allowed to air dry for 3 days before submission in water, if required for use

(The information given herein is given in good faith based on our reevaluation but without warranty. Disputes are subject to exclusive jurisdiction of the courts at New Delhi).



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