

**Water Guard 247** is a single component bitumen emulsion protective coating. It dries to form a black and tough protective coating. It is used as a damp proofing, protective coating for rafts, underground structures, civil structures, precast panels, pipes, etc.

## ADVANTAGES

- ✓ Easy to use coating.
- ✓ Good adhesion to various surfaces like concrete, wood, asbestos, polystyrene board, gypsum board, etc.
- ✓ Non-flammable, asbestos free and can be used in confined spaces.
- ✓ Reduction in chloride and water absorption penetration.
- ✓ Can be applied on green concrete.

## TECHNICAL DETAILS

| Property            | Test Method | Value  |
|---------------------|-------------|--|
| Component           | -           | Single   |
| Form                | -           | Liquid emulsion  |
| Color               | -           | Black  |
| Density             | ASTM D 1457 | 1.03 ± 0.02  |
| Drying time         | ASTM D 2939 | 90 – 120 minutes   |
| Recoat Time         | ASTM D 2939 | 4-24 Hours   |
| Solid Content       | ASTM D 244  | 50 ± 3%  |
| Chemical Resistance | -           | Excellent Resistance to water, mild acids, alkalis, and surface ions |
| Surface temperature | -           | -10°C to +85°C   |

\*Typical results under laboratory conditions.

## SURFACE PREPARATION

The surface treated should be clean, dry, and free from dirt, dust, oil, grease curing compounds, mold release agents, paints, etc. all major cracks to be opened in “V” shape and repaired with crack heal or patch range of crack fillers and repair mortars. Honeycomb or spalled concrete to be repaired with a suitable repair mortar from the patch range of Ressichem Repair mortars. Nail heads and other protrusions that are likely to damage the coating must be removed. Porous surfaces should be primed using **Water Guard 247** diluted with 15-20% clean water.



## APPLICATION

**Water Guard 247** is to be stirred well before use. **Water Guard 247** can be applied to the prepared surface using brush, roller, or squeegee. Replace lid of containers when not in use. As damp-proof membrane and vapor barrier 2 coats of **Water Guard 247** is recommended. Apply the first coat at a thickness between 200 to 500 microns. Allow a minimum of 4 hours between first coat and second coat. The second coat should be applied at right angles at 200 to 500 microns thickness. Where the surface is to receive a plaster finish, render or screed, 'grit' the second coat with clean, dry sand to form a keyed surface. Allow a minimum of 7 days drying period before applying a plaster, render or floor screed. As a curing compound one coat of **Water Guard 247** is sufficient. **Water Guard 247** can be applied on the green concrete. This would prevent rapid evaporation of water and formation of shrinkage cracks. If **Water Guard 247** is spray applied, consistency of the material can be adjusted by adding water.

## CURING

Once the application is completed, **Water Guard 247** should be air cured for a minimum period of 7 days.

## PACKAGING

**Water Guard 247** is available in 20 Ltr buckets and 200 Ltr drums.

## HEALTH AND SAFETY

**Water Guard 247** is not regarded hazardous for transportation. Do not reuse the packaging and dispose them off as per local rules and regulations. Gloves and suitable masks can be worn during application. Please refer to the MSDS of the product for further health and safety information.