

## Product Description

Techno Shield WAA system comprises of a single component aliphatic acrylate, water based top coat, which gives resistance to aggressive agents, cracks, UV rays and rain. Techno Shield WAA system is supplied in ready to use packs

## Uses

Techno Shield WAA system is suitable for use on all types of structures which are directly exposed to sea, and to protect structures from attack by acid gases, chloride ions, sulphates, oxygen and water. The product is recommended for concrete structure for infrastructure project like Bridges, Flyover and under-passes.

## Advantages

- High Build Film - Higher thickness ensures longevity
- Water repellent property
- UV Stability - Resistance to UV rays
- Anti-Dirt & Anti-Fungal  
Resistance to Fungal and Algae
- Breathability - Allows internal moisture to escape
- Ease of applicaiton - User friendly product and can be easily applied by brush, roller or spray

## Technical Specifications

Adhesion to concrete	:	Good
Water permeability	:	Nil after 24 hours.
Resistance to chloride, sulphate ions and carbonation	:	Good
UV resistance	:	Good
Resistance to algae & fungi	:	Good
Breathability	:	Breathable
Dry Film thickness	:	200 microns in 2coats

## Application

### Surface preparation

All surface should be dry and free from contamination such as oil, grease, loose particles, decayed matter, moss, algae growth, laitance, and all traces of mould release oils and curing compounds. This is best achieved by lightly grit blasting the surface. Where moss, algae or similar growths have occurred, treatment with a proprietary biocide should be carried out after the grit blasting process.

It is essential to produce an unbroken coating of Techno Shield WAA water based system. To ensure this is achieved, surfaces containing blowholes or similar areas of pitting should first be filled using a suitable fairing coat.

### Application

In order to obtain the protective properties of the Techno Shield WAA water based system, important that the correct rates of application and over coating time are observed.

#### Techno Shield WAA

Number of coat(s) recommended	2
Total dry film thickness	200microns in 2coats
Over coating time @ 30°C	4 hours

Application should not commence if the temperature of the substrate is below 10°C.

Techno Shield WAA diluted in the ratio of 1:2 (1Coating : 2 Parts Water) shall be used as a primer coat before appication of topcoat. The primer should be allowed to dry for a minimum of four hours (@25 °C) before application of Techno Shield WAA topcoat. All primed substrates should be treated with two coats of Techno Shield WAA system. The material should be stirred well thoroughly before use. The first coat should be applied to all areas by the use of suitable brushes or rollers to achieve a uniform coating. This coat should be allowed to dry before applying the second coat. The second coat of Techno Shield WAA water based system must be applied exactly as detailed above.

Techno Shield WAA system can also be spray applied.