

# General Application Guidelines

(to be used in conjunction with product data sheets and method statements)

## Sub base Requirements

- Ensure the concrete base complies with the sub base requirements document.

## Surface Preparation (all to ICRI Profile standards)

(The objective is to present a clean, dry, strong, free of contamination dust and laitance, bonding surface with a suitable mechanical key)

- Vacu-blasting
- Scarifying / Scabbling
- Diamond grinding
- Acid etching is not allowed.

### System and concrete surface profile requirement

No	System	Dry Film Thickness	Surface Profile Std	Method
1	Sealers	<75 microns	CPS 1 & 2	Grinding
2	Thin Film	76 to 250 microns	CPS 1 ,2 ,3	Grinding/Light blasting
3	High Build	250 to 1000 microns	CPS 3,4,5	Grinding/Light blasting/Light scarification
4	Self smoothing	1000 to 4000 microns	CPS 3,4,5,6	Grinding/Medium blasting/Medium scarification
5	Screeds	4000 to 12000 microns	CPS 6,7,8,9	Heavy blasting/ Heavy scarification

## Application Conditions

- Application Temperature Range substrate +15<sup>0</sup>C to +30<sup>0</sup>C.
- Application Temperature Range ambient +15<sup>0</sup>C to +30<sup>0</sup>C.
- Application Temperature Range products +15<sup>0</sup>C to +30<sup>0</sup>C.
- Do not apply in direct sunlight.
- Do not apply if humidity is greater than 85% @ 21<sup>0</sup>C or 75% @ 10<sup>0</sup>C.
- Do not apply if the surface temperature is less than 4<sup>0</sup>C above the Dew Point temperature.
- Sub base moisture content to be less than 4%.

## Storage (aggregates and cement based products)

- Storage of cement based products aggregates and fillers in + 5<sup>0</sup>C to +30<sup>0</sup>C. Bags to be palletised, shrink wrapped and or covered.
- Avoid excessive heat and do not store outside exposed to the elements.

## Storage (resins)

- Storage of resins +5°C to +30°C. Containers to be palletised, shrink wrapped and or covered.
- Avoid excessive heat and do not store outside exposed to the elements. **Product must not freeze.**
- If the products crystallize then the containers must be placed in a hot water bath or thermofan set at 60-70°C for a minimum of 3 hours. The material is to be stirred every 30 minutes until original state is achieved.
- After cooling, the flow and curing rate should be checked.

## Waste disposal

- As per local waste management laws.

## Handling of Products

- Refer MSDS for each product for safety instructions.
- Products may cause skin irritation and or skin sensitisation.
- Work in well ventilated areas, use suitable gloves, dust masks and respirators when required.
- Mixing- as per data sheets and method statements.