



## PUFFIN HICRETE 300 STC

4 component waterborne polyurethane thermal shock flooring system with smooth finishing. It has high impact resistance, durable and resistant to abrasion. This product has excellent resistance to organic and inorganic acids, alkalis, fuel and hydraulic oils, aromatic and aliphatic solvents

### .Properties

COLOR	Medium grey
GLOSS LEVEL	Satin (35-65)
FILM THICKNESS, DRY ( $\mu\text{m}$ )	100-120
FILM THICKNESS, WET ( $\mu\text{m}$ )	110-133
THEORETICAL SPREADING RATE (/kg)	4-5 M2
SOLIDS (VOL %)	90% +/- 2
DENSITY ( $\text{g}/\text{cm}^3$ )	1,85
FLASH POINT	50°C $\pm$ 2%
PRACTICAL COVERAGE	ALLOW APPROPRIATE LOSS FACTORS

### 1. Characteristics

Recommended for

Conditions requiring the maximum chemical resistance and smooth finishing floor, easy clean surface, hygiene and food grade floor surface such as: Food and beverage production, Pharmaceutical production, Chemical plants, Warehouses and logistics, Electronic manufacture, Laboratories, Engineering process areas, Cold rooms

Excellent adhesion to concrete, mortar, screed and a limited number of other surfaces makes PUFFIN HICRETE 300 STC ideal for medium to heavy industrial areas.

## Usage

- 1) Surface preparation: To secure lasting adhesion to the subsequent product all surfaces shall be clean, dry and free from any contamination. Oil or grease should be removed.
- 2) Substrate Minimum Recommended : Minimum concrete strength is K-250 , trowel finish  
The concrete has dried at least 28 days  
Maximum humidity has reached 5%  
The concrete surface must smooth, even and not chalky

### 3) Application equipment guideline :

Mixing ratio

Base A : B:C

3,52 : 4.48 : 8

Mixing pot life

< 15 minutes

Drying and Curing time:

Drying and curing times are determined under controlled temperatures and relative humidity below 85 %, and at average of the DFT range for the product.

Walk-on-dry:

Minimum time before the coating can tolerate normal foot traffic without permanent marks, imprints or other physical damage.

Dry to over coat, minimum:

The shortest time allowed before the next coat can be applied.

Surface (touch) Dry:

The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

<b>SUBTRATE TEMPERATURE (°C)</b>	5	10	15	23	40
SURFACE DRY (hour)	6	4	3	2.5	1.5
Dry to over coat (hours)	12	10	9	7.5	5
Dryed/cured for service (days)	7	7	7	7	7

Product compatibility:

Depending on the actual exposure of the coating system, various primers and topcoats can be used in combination with this product.

Some examples are shown below.

Previously :

HICRETE PRIMER OR EPOXY PRIMER

HICRETE H&T

### **Precaution**

1) Ensure to clean the surface before application.

2) Health and safety :

Please observe the precautionary notices displayed on the container.

Use under well ventilated conditions. Do not inhale spray mist. Avoid skin contact.

Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

3) Storage :

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care. Shelf life at 23 °C : 6 Month(s)

**Packing :**

16Kg Set