**Jotashield Carbo Silk**



**SPECIFICATION TOOL**

(Compliant to **GREEN** standards)

**Description:** Anti-carbonation coating with High reflectivity in compliance with ISO 1062

**Recommended Use:** Multi storied carparks, podiums, basement car parks and exposed concrete structures

**Surface Preparation:** Refer to TDS and Application Method Statement

**Primer Coat**

One coat: **Jotashield Alkali Resistant Primer\*:** Acrylic copolymer, water-based primer

 Vol. Solids:37±2, VOC: 0 g/L (Theoretical as per ISO 11890-EU)

**Topcoat**

Two coats: **Jotashield Carbo Silk**: Water-based polymeric acrylic Anti-carbonation coating with

 silk finish

 Vol. Solids: 36 ±2 %, VOC- 0 grm/L (Theoretical as per ISO 11890-EU)

**Performance Properties:**

* **Carbon dioxide permeability according to ISO 1062-6:**

With solvent/water-based primer

Equivalent air layer thickness, R: 333m/231m

Equivalent concrete layer thickness, Sc: 83cm/58cm

* **Water vapour transmission rate according to EN ISO 7783-2:**

 microns180 g/m2.d

* **Crack-bridging according to ISO 1062-7:**

0.7 mm

* **Reduction in water penetration at 5 bars pressure according to BS EN 12390-8:**

100%

* **Light reflectance value: (ASTM E308)**

92%

* **Scrubbability as per ISO 11998: Mean loss in DFT-**

4.1 µm loss after 200 cycles. (Class-1)

* **Easy clean/stain removal as per ASTM D 4829-94:**
	1. Rating

**Other Properties:**

* **Specular Gloss according to EN ISO 2813:**

G3: 6-8

* **Dry Film Thickness according to ISO 3233:**

E2: 35-50 microns per coat

For blow holes, pinholes or surface imperfections: Use

One/Two coats:

**Jotashield UltraBond Filler/Jotun Block Filler**

 **\***(For porous, chalky, spray plaster surfaces, use **Jotashield Penetrating Primer**)