

FLOWLOCK AC 200

ANTI CARBONATION PROTECTION AND WATERPROOFING

Flowlock AC 200 is a water based, pure acrylic coating that provides durable and high performance carbonation protection, waterproofing and decoration of concrete and masonry for structures and civil engineering.

Available in 2 finishes: smooth and textured.

USES

- Protection against concrete carbonation on concrete structures, bridges and buildings
- Waterproofing
- Protection against pollutants

BENEFITS

- Very high resistance to CO2 penetration, preventing carbonation induced corrosion of reinforcement steel
- Excellent UV and weathering resistance with colour stability
- Resistant to concrete alkali
- High elasticity – accommodates building movement
- Easy to apply
- Solvent free
- Vapour permeable
- Easy to clean

COVERAGE

Estimated coverage is 400 - 600g per square metre.

COLOURS

Dark Grey
Light Grey
Red Brick
White
Off white
Ivory
Cream

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FLOWLOCK
(division of Rooflock)

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TECHNICAL DATA

Product characteristics	
<i>CE Marking, EN 1504-2</i>	
Description. Coating for protection of concrete. Coating (C). Principles / Methods. Protection against ingress with coating (Principle 1-PI / 1.3), Moisture control with coating (Principle 2 -MC / 2.2) and Increasing resistivity by limiting moisture content with coating (Principle 8-IR / 8.2)	
Application and curing conditions	
Minimum application temperature for substrate and ambient, (°C)	> 5
Waiting time between coats at 20 °C & 50 % R.H., (h)	2-3
Cured product characteristics	
Elongation at break, EN 527/3 (%)	290
Tensile strength, EN 527/3 (MPa)	0.80
Permeability to water vapour, EN ISO 7783-1/-2. Classification	Class I: Permeable to water vapour
Transmission rate, V (g/m ² ·day)	120.6
Thickness of equivalent air layer, S _D (m)	0.17
Coefficient,	
Permeability to water and capillary absorption, EN 1062-3. w (kg/m ² ·d ^{0.5})	< 0.1
Permeability to CO ₂ , H. Klöpfer method. Thickness of equivalent air layer, S _D (m) / d _{CO2} (m/s)	695 / 0.022·10 ⁶ (recommendation S _D > 50 m)
Pull-off test, EN 1542 (MPa)	≥ 1.0
Adhesion on concrete, ASTM D-4541 (MPa)	2.4
Consumption*	
Consumption per coat/total application, (kg/m ²) Standard or smooth version	0.2 - 0.3 / 0.4 - 0.6 0.3 - 0.4 / 0.6 - 0.8

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