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SCHOMBURG

Technical Data Sheet

ASO®-OS/BF INDUCRET®-OS/BF

Art.-No. 2 06429

Concrete glaze

CE 1119

SCHOMBURG GmbH & Co. KG
Aquafinstrasse 2 – 8
D-32760 Detmold
16
2 06429

EN 1504-2
ASO-OS/BF
Surface protection product – Coating
DIN EN 1504-2 : ZA.1d and ZA.1e

Cross cutting	≤ GT 2
CO_2 permeability	sD > 50 m
Adhesion strength	≥ 0.8 N/mm²
Water vapour permeability	Class 1
Capillary water absorption and water permeability	w < 0.1 kg/m² x $h^{0.5}$
Resistance to temperature change	≥ 1.0 (0.7)[1] N/mm²
Tensile adhesion strength by pull-off test	≥ 1.0 (0.7)[1] N/mm²
Reaction to Fire	Class E
Artificial weathering	No visible defects

- pigmented styrene acrylate polymer dispersion
- alkali and UV resistant
- water vapour permeable
- vapour barrier to CO_2
- crack bridging ≤ 0.1 mm (with cracks near the surface)

Areas of application:

ASO-OS/BF is used in combination with ASOCRET-BIS-1/6 fine mortar as an surface protection system OS4 to "Guidelines for the protection and restoration of concrete sections" of the Rili-SIB.
ASO-OS/BF is also used as a protective coat for cement-based substrates such as concrete, render and ASOCRET mortars and smoothing compounds.

Technical Data:

Basis:	styrene acrylate dispersion
Colour:	approx. RAL 7032
	approx. RAL 9001
Density:	approx. 1.4 g/cm³
Solids content:	approx. 65% by weight
Workability time:	no limit
Application temperature:	min. +10° C, max. +40° C
Drying time:	(at +20° C, 65% RH)
- Touch dry	after approx. 4 hrs
- Rain proof	after approx. 6 hrs
- Ready to overcoat	after approx. 12 hrs
Diffusion resistance rate:	
- μ H_2O	5,500
- μ CO_2	2,300,000
Equivalent air space thickness:	
- s_d H_2O	approx. 0.88 mm
- s_s CO_2	approx. 368 m
Cleaning:	Works tools must be thoroughly cleaned with water immediately after use.
Packaging:	15 litre containers.
Storage:	frost-free, cool and dry, 12 months in the original unopened container. Use opended containers promptly.

Substrate preparation:

The area to be treated must be:
- dry, firm, sound and have a good key
- free from separating and adhesion inhibiting substances such as dust, laitance, grease, oil, rubber marks, paint residues and similar

Use suitable means to prepare the substrate dependent on its condition such as e.g. sweeping, vacuuming, brushing, planing and abrasive blasting techniques.
To achieve an even thickness of the protective coating, repair uneven areas, voids and pores by preparing the substrate with the appropriate ASOCRET-BIS system in accordance with the appropriate factory specifications.

Product preparation:

ASO-OS/BF is supplied ready for use. Simply stir briefly before use.

ASO®-OS/BF

Method of application / consumption:

Protective coating:

Apply two coats of ASO-OS/BF by roller or brush.
Dilute the first coat of ASO-OS/BF with max. 5% water.
Consumption: approx. 200 ml/m² per coat

Important advice:

- If ASO-OS/BF is to be spray applied then use airless spray equipment (nozzle size: 0.018 – 0.021 inches).
- When using the product follow VOB part C (DIN 18363, clause 3.1.10). I.e. the material may not be applied
  - in direct sunlight
  - in strong wind
  - when it is raining
  - on heated substrates.
- Where necessary, schedule protective measures.
- Applications that are not clearly explained in this technical data sheet may only be carried out after consultation with and written confirmation from the Technical Services Department of SCHOMBURG.

GISCODE: M-DF 02

This technical data sheet is a translation from German and does not consider local building codes or legal requirements. It shall be used as general reference for the product. Legally binding is only the latest German technical data sheet or the latest data sheet from one of our foreign subsidiaries inside their sales territory.