



TECHNICAL DATA SHEET – DENSIT® COAT Q25

Revised: 10/2021

DESCRIPTION

Densit® Coat Q25 is a shrinkage compensated high performance spraying mortar with extreme capability to bind to old as well as new concrete surfaces.

Densit® Coat Q25 provides an impermeable barrier that effectively prevents chloride ion ingress.

Densit® Coat Q25 is especially suitable for patching of spalled concrete and resurfacing of damaged concrete. Densit® Coat Q25 is applied in layers of 5 to 40 mm on vertical as well as horizontal surfaces — even over-head on horizontal surfaces. Densit® Coat Q25 can be glazed or coated with a top layer of Densit® Coat Q5 ("wet-in-wet" or "wet-in-dry").

Densit® Coat Q25 is CE-marked acc. to EN 1504-3 as a class R4 repair product.

STEP-BY-STEP

- The concrete surface is prepared, and damaged reinforcement steel is replaced
- Dry mortar is mixed with water
- The wet mortar is sprayed on the concrete surface in layers 5 to 40 mm thick
- Densit® Coat Q25 can be glazed or coated with a top layer of Densit® Coat Q5 ("wet-in-wet" or "wet-in-dry")
- The surface must be protected against evaporation/drying-out

DENSIT® COAT Q25

- HYDRAULIC MORTAR FOR REPAIR OF CONCRETE STRUCTURES

TECHNICAL DATA

PROPERTIES	STANDARD	VALUE	REQUIREMENT (EN 1504-3)
Compressive strength - MPa	EN 12190	7 days: 39.3 28 days: 66.0	Class R4: ≥ 45
Flexural strength - MPa	EN 196-1	7 days: 5.9 28 days: 9.1	-
Elastic modulus - GPa	EN 13412	36.1	Class R4: ≥ 20
Chloride ion content - %	EN 1015-17	0.01	Class R4: ≤ 0.05
Adhesive bond - MPa	EN 1542	2.0	Class R4: ≥ 2.0
Carbonation resistance - mm	EN 13295	0	Class R4: $d_k \leq$ control concrete
Restrained shrinkage/expansion - MPa	EN 12617-4	In water: 2.1 Dry: 2.8	Class R4: ≥ 2.0
Chloride ion ingress - m^2/s	ASTM C1556-04	1.8×10^{-13}	-
Coefficient of thermal expansion - $m/m/^\circ C$	EN 1770	12.0×10^{-6}	-
Freeze-thaw resistance - kg/m^2	SS 137244	< 0.5 @ 112 cycles	-
Workability - mm	EN 13395-1	After mixing: 120 30 min: stiff	For identification
Stiffening time - h:min	EN 13294	Start: 1:45 End: 2:45	For identification
Max. aggregate size - mm	EN 12192-1	2.5	For identification
Density - kg/m^3	EN 12190	2100-2200	-
Cr ⁶⁺ - %	N/A	< 0.0002	-



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DoP-11280
Densit® Coat Q25

EN 1504-3
Notified Body 0764 (MPA H)

For uses in buildings and civil engineering works

Compressive strength: Class R4

Chloride ion content: ≤ 0.05 %

Adhesive Bond: ≥ 2.0 MPa

Restrained shrinkage/expansion: 2.1 MPa (in water)
2.8 MPa (dry)

Carbonation resistance: Passed

Elastic modulus: 36.1 GPa