Declaration of Performance for the construction product

StoCryl EM 110

Unique identification code of the product-type	PROD0539 StoCryl EM 110
Intended use/es	concrete repair product for structurally relevant repair Hand-applied mortar (3.1) Recasting with concrete or mortar (3.2) Adding mortar or concrete (4.4) Increasing cover to reinforcement with additional mortar or concrete (7.1) Replacing contaminated or carbonated concrete (7.2)
Manufacturer	Sto SE & Co. KGaA, Ehrenbachstr. 1, D-79780 Stühlingen
System/s of AVCP	System 2+ (for uses in buildings and civil engineering works) System 3 (for uses subject to reaction to fire regulations)
Harmonised standard	EN 1504-3
Notified body/ies	NB 1119 (system 2+) NB 0767 (system 3)
European Assessment Document	Not relevant
European Technical Assessment	Not relevant
Technical Assessment Body	Not relevant
Appropriate Technical Documentation and/or Specific Technical Documentation	Not relevant
Declared performance/s	The intended purpose of StoCryl EM 110 is always for use as a mixing liquid for StoCrete TG 114 or StoCrete TG 118. Avoid direct use.

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	$A2_{fl}$ - s1	system 3 / EN 1504-3:2005
Dangerous substances	NPD	system 2+/ EN 1504-3
Chloride ion content	≤ 0.05 %	system 2+/ EN 1504-3
Slip resistance	NPD	system 2+/ EN 1504-3
Carbonation resistance	pass	system 2+/ EN 1504-3
Restrained shrinking/swelling (dimensional stability)	NPD	system 2+/ EN 1504-3
Adhesive bond	≥ 2,0 MPa	system 2+/ EN 1504-3
Capillary absorption	w ≤ 0.5 kg/(m²*h0.5)	system 2+/ EN 1504-3
Thermal compatibility - Part 1: Freeze-thaw cycling	≥ 2.0 MPa	system 2+/ EN 1504-3
Thermal compatibility - Part 2: Thunder-shower cycling	NPD	system 2+/ EN 1504-3
Thermal compatibility - Part 4: Dry thermal cycling	NPD	system 2+/ EN 1504-3
Compressive strength	Class R 4	system 2+/ EN 1504-3
Modulus of elasticity	≥ 20 GPa	system 2+/ EN 1504-3

NPD = no performance determined

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Ppa Francisco Ramos / Head of Business Fields Facade and Interiors

This copy was created by machine and is valid without signature.

06.04.2023

Sto SE & Co. KGaA D-79780 Stühlingen

The current valid version of the declaration of performance is available at www.sto.com/ce.

Sto SE & Co. KGaA

Ehrenbachstraße 1

D-79780 Stühlingen

0103-2047-1 **09** **NB 1119 (system 2+)**
NB 0767 (system 3)

PROD0539 StoCryl EM 110
EN 1504-3

concrete repair product for structurally relevant repair
Hand-applied mortar (3.1)
Recasting with concrete or mortar (3.2)
Adding mortar or concrete (4.4)
Increasing cover to reinforcement with additional mortar or concrete (7.1)
Replacing contaminated or carbonated concrete (7.2)

Reaction to fire	$A2_{fl}$ - s1
Dangerous substances	NPD
Chloride ion content	≤ 0.05 %
Slip resistance	NPD
Carbonation resistance	pass
Restrained shrinking/swelling (dimensional stability)	NPD
Adhesive bond	≥ 2,0 MPa
Capillary absorption	w ≤ 0.5 kg/(m²*h0.5)
Thermal compatibility - Part 1: Freeze-thaw cycling	≥ 2.0 MPa
Thermal compatibility - Part 2: Thunder-shower cycling	NPD
Thermal compatibility - Part 4: Dry thermal cycling	NPD
Compressive strength	Class R 4
Modulus of elasticity	≥ 20 GPa