Declaration of Performance for the construction product

StoCrete TF 200

Unique identification code of the product-type	PROD0747 StoCrete TF 200
Intended use/es	concrete repair product for structurally relevant repair Hand-applied mortar (3.1) Spraying concrete or mortar (3.3) Increasing cover to reinforcement with additional mortar or concrete (7.1)
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 1504-2:2004 EN 1504-3:2005
Notified body/ies	NB 0921 (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 product is used in the surface protection systems: StoCretec OS 4.1 consisting of the components: StoCrete TF 200 StoCryl V 100 StoCretec OS 5a.1 consisting of the components: StoCrete TF 200 StoCryl RB

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	E as component of StoCretec OS 4.1	system 3 / EN 1504-2:2004
Reaction to fire	E as a component of StoCretec OS 5a.1	system 3 / EN 1504-2:2004
Reaction to fire	A2-s1, d0	system 3 / EN 1504-3:2005
Water vapour permeability	Class I as component of StoCretec OS 4.1	system 2+/ EN 1504-2:2004
Water vapour permeability	Class I as a component of StoCretec OS 5a.1	system 2+/ EN 1504-2:2004
Dangerous substances	NPD	system 2+/ EN 1504-3
Adhesion strength by pull-off test	≥ 1.0 (0.7) N/mm² as component of StoCretec OS 4.1	system 2+/ EN 1504-2:2004
Adhesion strength by pull-off test	≥ 0.8 (0.5) N/mm² as a component of StoCretec OS 5a.1	system 2+/ EN 1504-2:2004

Antistatic behaviour	NPD as component of StoCretec OS 4.1	system 2+/ EN 1504-2:2004
Antistatic behaviour	NPD as a component of StoCretec OS 5a.1	system 2+/ EN 1504-2:2004
Chloride ion content	≤ 0.05 %	system 2+/ EN 1504-3
Cross cut test	≤ GT 2 as component of StoCretec OS 4.1	system 2+/ EN 1504-2:2004
Cross cut test	≤ GT 2 as a component of StoCretec OS 5a.1	system 2+/ EN 1504-2:2004
Slip resistance	NPD as component of StoCretec OS 4.1	system 2+/ EN 1504-2:2004
Slip resistance	NPD as a component of StoCretec OS 5a.1	system 2+/ EN 1504-2:2004
Slip resistance	NPD	system 2+/ EN 1504-3
Carbonation resistance	NPD	system 2+/ EN 1504-3
Artificial weathering	No visible defects as component of StoCretec OS 4.1	system 2+/ EN 1504-2:2004
Artificial weathering	No visible defects as a component of StoCretec OS 5a.1	system 2+/ EN 1504-2:2004
Linear shrinkage	NPD as component of StoCretec OS 4.1	system 2+/ EN 1504-2:2004
Linear shrinkage	NPD as a component of StoCretec OS 5a.1	system 2+/ EN 1504-2:2004
Resistance to temperature shock	NPD as component of StoCretec OS 4.1	system 2+/ EN 1504-2:2004
Resistance to temperature shock	NPD as a component of StoCretec OS 5a.1	system 2+/ EN 1504-2:2004
Capillary water absorption and water permeability	w < 0.1 kg/(m²*h0.5) as component of StoCretec OS 4.1	system 2+/ EN 1504-2:2004
Capillary water absorption and water permeability	w < 0.1 kg/(m²*h0.5) as a component of StoCretec OS 5a.1	system 2+/ EN 1504-2:2004
Coefficient of thermal expansion	NPD as component of StoCretec OS 4.1	system 2+/ EN 1504-2:2004
Coefficient of thermal expansion	NPD as a component of StoCretec OS 5a.1	system 2+/ EN 1504-2:2004
Chemical resistance	NPD as component of StoCretec OS 4.1	system 2+/ EN 1504-2:2004
Chemical resistance	NPD as a component of StoCretec OS 5a.1	system 2+/ EN 1504-2:2004
Restrained shrinking/swelling (dimensional stability)	≥ 1,5 MPa	system 2+/ EN 1504-3
Dangerous substances	NPD as component of StoCretec OS 4.1	system 2+/ EN 1504-2:2004
Dangerous substances	NPD as a component of StoCretec OS 5a.1	system 2+/ EN 1504-2:2004
Adhesion on wet concrete	NPD as component of StoCretec OS 4.1	system 2+/ EN 1504-2:2004
Adhesion on wet concrete	NPD as a component of StoCretec OS 5a.1	system 2+/ EN 1504-2:2004
Adhesive bond	≥ 1,5 MPa	system 2+/ EN 1504-3
Capillary absorption	NPD	system 2+/ EN 1504-3
Thermal compatibility	≥ 1.0 (0.7) N/mm² as component of StoCretec OS 4.1	system 2+/ EN 1504-2:2004
Thermal compatibility	≥ 0.8 (0.5) N/mm² as a component of StoCretec OS 5a.1	system 2+/ EN 1504-2:2004
Thermal compatibility - Part 1: Freeze-thaw cycling	NPD	system 2+/ EN 1504-3
Thermal compatibility - Part 2: Thunder-shower cycling	≥ 1.5 MPa	system 2+/ EN 1504-3
Thermal compatibility - Part 4: Dry thermal cycling	NPD	system 2+/ EN 1504-3
Compressive strength	Class R 3	system 2+/ EN 1504-3
Modulus of elasticity	≥ 15 GPa	EN 1504-3
Carbon dioxide permeability	sd > 50 m as component of StoCretec OS 4.1	system 2+/ EN 1504-2:2004
Carbon dioxide permeability	sd > 50 m as a component of StoCretec OS 5a.1	system 2+/ EN 1504-2:2004
Crack bridging ability	NPD as component of StoCretec OS 4.1	system 2+/ EN 1504-2:2004
Crack bridging ability	B 2 (-20 °C) as a component of StoCretec OS 5a.1	system 2+/ EN 1504-2:2004

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.

27.02.2023

Sto SE & Co. KGaA D-79780 Stühlingen

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

CE

Sto SE & Co. KGaA

Ehrenbachstraße 1

D-79780 Stühlingen

03-2016-2 **09** **NB 0921 (system 2+)**
NB 0767 (system 3)

PROD0747 StoCrete TF 200
EN 1504-2:2004
EN 1504-3

concrete repair product for structurally relevant repair
Hand-applied mortar (3.1)
Spraying concrete or mortar (3.3)
Increasing cover to reinforcement with additional mortar or concrete (7.1)

Reaction to fire	E as component of StoCretec OS 4.1
Reaction to fire	E as a component of StoCretec OS 5a.1
Reaction to fire	A2-s1, d0
Water vapour permeability	Class I as component of StoCretec OS 4.1
Water vapour permeability	Class I as a component of StoCretec OS 5a.1
Dangerous substances	NPD
Adhesion strength by pull-off test	≥ 1.0 (0.7) N/mm² as component of StoCretec OS 4.1
Adhesion strength by pull-off test	≥ 0.8 (0.5) N/mm² as a component of StoCretec OS 5a.1
Antistatic behaviour	NPD as component of StoCretec OS 4.1
Antistatic behaviour	NPD as a component of StoCretec OS 5a.1
Chloride ion content	≤ 0.05 %
Cross cut test	≤ GT 2 as component of StoCretec OS 4.1
Cross cut test	≤ GT 2 as a component of StoCretec OS 5a.1
Slip resistance	NPD as component of StoCretec OS 4.1
Slip resistance	NPD as a component of StoCretec OS 5a.1
Slip resistance	NPD

Carbonation resistance	NPD
Artificial weathering	No visible defects as component of StoCretec OS 4.1
Artificial weathering	No visible defects as a component of StoCretec OS 5a.1
Linear shrinkage	NPD as component of StoCretec OS 4.1
Linear shrinkage	NPD as a component of StoCretec OS 5a.1
Resistance to temperature shock	NPD as component of StoCretec OS 4.1
Resistance to temperature shock	NPD as a component of StoCretec OS 5a.1
Capillary water absorption and water permeability	w < 0.1 kg/(m²*h0.5) as component of StoCretec OS 4.1
Capillary water absorption and water permeability	w < 0.1 kg/(m²*h0.5) as a component of StoCretec OS 5a.1
Coefficient of thermal expansion	NPD as component of StoCretec OS 4.1
Coefficient of thermal expansion	NPD as a component of StoCretec OS 5a.1
Chemical resistance	NPD as component of StoCretec OS 4.1
Chemical resistance	NPD as a component of StoCretec OS 5a.1
Restrained shrinking/swelling (dimensional stability)	≥ 1,5 MPa
Dangerous substances	NPD as component of StoCretec OS 4.1
Dangerous substances	NPD as a component of StoCretec OS 5a.1
Adhesion on wet concrete	NPD as component of StoCretec OS 4.1
Adhesion on wet concrete	NPD as a component of StoCretec OS 5a.1
Adhesive bond	≥ 1,5 MPa
Capillary absorption	NPD
Thermal compatibility	≥ 1.0 (0.7) N/mm² as component of StoCretec OS 4.1
Thermal compatibility	≥ 0.8 (0.5) N/mm² as a component of StoCretec OS 5a.1
Thermal compatibility - Part 1: Freeze-thaw cycling	NPD
Thermal compatibility - Part 2: Thunder-shower cycling	≥ 1.5 MPa
Thermal compatibility - Part 4: Dry thermal cycling	NPD
Compressive strength	Class R 3
Modulus of elasticity	≥ 15 GPa

Carbon dioxide permeability	sd > 50 m as component of StoCretec OS 4.1
Carbon dioxide permeability	sd > 50 m as a component of StoCretec OS 5a.1
Crack bridging ability	NPD as component of StoCretec OS 4.1
Crack bridging ability	B 2 (-20 °C) as a component of StoCretec OS 5a.1