Declaration of Performance for the construction product

StoPox DV 502

Unique identification code of the product-type	PROD4209 StoPox DV 502
Intended use/es	EN 1504-2: Surface protection products - coating Protection against ingress (1.3) Moisture control (2.2) Physical resistance (5.1) Resistance to chemicals (6.1) Increasing resistivity (8.2) EN 13813: Synthetic resin screed material
Manufacturer	Sto SE & Co. KGaA, Ehrenbachstr. 1, D-79780 Stühlingen
System/s of AVCP	EN 1504-2: System 2+ (for uses in buildings and civil engineering works) System 3 (for uses subject to reaction to fire regulations) EN 13813: System 4 (for uses in interiors) System 4 (for uses in interiors subject to reaction to fire regulations)
Harmonised standard	EN 1504-2:2004 EN 13813:2002
Notified body/ies	NB 0921 (system 2+) NB 0767 (system 3) NB 1508 (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	reaction to fire: E_{fl} (StoDok_20140624_2)
Declared performance/s	The product is used in the surface protection systems: StoCretec OS 8.17 consisting of the components: StoPox GH 500 StoPox DV 502 StoCretec OS 11a.20 consisting of the components: StoPox GH 531 StoPur EZ 500 StoPur EZ 502 StoPox DV 502 StoCretec OS 11b.20 consisting of the components: StoPox GH 500

StoPur EZ 500
StoPox DV 502

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	B_{fl} - s1 as a component of StoCretec OS 8.17	system 3 / EN 1504-2:2004
Reaction to fire	B_{fl} - s1 as a component of StoCretec OS 11a.20	system 3 / EN 1504-2:2004
Reaction to fire	B_{fl} - s1 as a component of StoCretec OS 11b.20	system 3 / EN 1504-2:2004
Reaction to fire	E_{fl} (StoDok_20140624_2)	system 4 / EN 13813:2002
Water vapour permeability	Class III as a component of StoCretec OS 8.17	system 2+/ EN 1504-2:2004
Water vapour permeability	Class III as a component of StoCretec OS 11a.20	system 2+/ EN 1504-2:2004
Water vapour permeability	Class III as a component of StoCretec OS 11b.20	system 2+/ EN 1504-2:2004
Bond strength	≥ B 1.5	system 4 / EN 13813:2002
Sound absorption coefficient α_w	NPD	system 4 / EN 13813:2002
Water permeability	NPD	system 4 / EN 13813:2002
Abrasion resistance	≤ AR1..	system 4 / EN 13813:2002
Adhesion strength by pull-off test	≥ 2.0 (1.5) N/mm² as a component of StoCretec OS 8.17	system 2+/ EN 1504-2:2004
Adhesion strength by pull-off test	≥ 1.5 (1.0) N/mm² as a component of StoCretec OS 11a.20	system 2+/ EN 1504-2:2004
Adhesion strength by pull-off test	≥ 1.5 (1.0) N/mm² as a component of StoCretec OS 11b.20	system 2+/ EN 1504-2:2004
Abrasion resistance	Mass loss < 3000 mg as a component of StoCretec OS 8.17	system 2+/ EN 1504-2:2004
Abrasion resistance	Mass loss < 3000 mg as a component of StoCretec OS 11a.20	system 2+/ EN 1504-2:2004
Abrasion resistance	Mass loss < 3000 mg as a component of StoCretec OS 11b.20	system 2+/ EN 1504-2:2004
Antistatic behaviour	NPD as a component of StoCretec OS 8.17	system 2+/ EN 1504-2:2004
Antistatic behaviour	NPD as a component of StoCretec OS 11a.20	system 2+/ EN 1504-2:2004
Antistatic behaviour	NPD as a component of StoCretec OS 11b.20	system 2+/ EN 1504-2:2004
Chemical resistance	NPD	system 4 / EN 13813:2002
Release of corrosive substances	SR	system 4 / EN 13813:2002
Cross cut test	NPD as a component of StoCretec OS 8.17	system 2+/ EN 1504-2:2004
Cross cut test	NPD as a component of StoCretec OS 11a.20	system 2+/ EN 1504-2:2004
Cross cut test	NPD as a component of StoCretec OS 11b.20	system 2+/ EN 1504-2:2004
Slip resistance	Class III as a component of StoCretec OS 8.17	system 2+/ EN 1504-2:2004
Slip resistance	Class III as a component of StoCretec OS 11a.20	system 2+/ EN 1504-2:2004
Slip resistance	Class III as a component of StoCretec OS 11b.20	system 2+/ EN 1504-2:2004
Artificial weathering	NPD as a component of StoCretec OS 8.17	system 2+/ EN 1504-2:2004
Artificial weathering	NPD as a component of StoCretec OS 11a.20	system 2+/ EN 1504-2:2004
Artificial weathering	NPD as a component of StoCretec OS 11b.20	system 2+/ EN 1504-2:2004
Linear shrinkage	< 0,3 % as a component of StoCretec OS 8.17	system 2+/ EN 1504-2:2004
Linear shrinkage	NPD as a component of StoCretec OS 11a.20	system 2+/ EN 1504-2:2004
Linear shrinkage	NPD as a component of StoCretec OS 11b.20	system 2+/ EN 1504-2:2004
Impact sound insulation	NPD	system 4 / EN 13813:2002
Thermal resistance	NPD	system 3 / EN 13813:2002

Resistance to temperature shock	NPD as a component of StoCretec OS 8.17	system 2+/ EN 1504-2:2004
Resistance to temperature shock	NPD as a component of StoCretec OS 11a.20	system 2+/ EN 1504-2:2004
Resistance to temperature shock	NPD as a component of StoCretec OS 11b.20	system 2+/ EN 1504-2:2004
Capillary water absorption and water permeability	w < 0,1 kg / (m² · $h^{0,5}$) as a component of StoCretec OS 8.17	system 2+/ EN 1504-2:2004
Capillary water absorption and water permeability	w < 0,1 kg / (m² · $h^{0,5}$) as a component of StoCretec OS 11a.20	system 2+/ EN 1504-2:2004
Capillary water absorption and water permeability	w < 0,1 kg / (m² · $h^{0,5}$) as a component of StoCretec OS 11b.20	system 2+/ EN 1504-2:2004
Impact resistance	Class I as a component of StoCretec OS 8.17	system 2+/ EN 1504-2:2004
Impact resistance	Class I as a component of StoCretec OS 11a.20	system 2+/ EN 1504-2:2004
Impact resistance	Class I as a component of StoCretec OS 11b.20	system 2+/ EN 1504-2:2004
Impact resistance	≥IR4	system 4 / EN 13813:2002
Coefficient of thermal expansion	NPD as a component of StoCretec OS 11b.20	system 2+/ EN 1504-2:2004
Coefficient of thermal expansion	NPD as a component of StoCretec OS 11a.20	system 2+/ EN 1504-2:2004
Coefficient of thermal expansion	NPD as a component of StoCretec OS 8.17	system 2+/ EN 1504-2:2004
Chemical resistance	NPD as a component of StoCretec OS 8.17	system 2+/ EN 1504-2:2004
Resistance to severe chemical attack	hardness loss < 50 % as a component of StoCretec OS 8.17	system 2+/ EN 1504-2:2004
Resistance to severe chemical attack	hardness loss < 50 % as a component of StoCretec OS 11a.20	system 2+/ EN 1504-2:2004
Resistance to severe chemical attack	hardness loss < 50 % as a component of StoCretec OS 11b.20	system 2+/ EN 1504-2:2004
Dangerous substances	as a component of StoCretec OS 8.17	system 2+/ EN 1504-2:2004
Dangerous substances	as a component of StoCretec OS 11a.20	system 2+/ EN 1504-2:2004
Dangerous substances	as a component of StoCretec OS 11b.20	system 2+/ EN 1504-2:2004
Adhesion on wet concrete	NPD as a component of StoCretec OS 8.17	system 2+/ EN 1504-2:2004
Adhesion on wet concrete	NPD as a component of StoCretec OS 11a.20	system 2+/ EN 1504-2:2004
Adhesion on wet concrete	NPD as a component of StoCretec OS 11b.20	system 2+/ EN 1504-2:2004
Thermal compatibility	≥ 2.0 (1.5) N/mm² as a component of StoCretec OS 8.17	system 2+/ EN 1504-2:2004
Thermal compatibility	≥ 2.0 (1.5) N/mm² as a component of StoCretec OS 11a.20	system 2+/ EN 1504-2:2004
Thermal compatibility	≥ 2.0 (1.5) N/mm² as a component of StoCretec OS 11b.20	system 2+/ EN 1504-2:2004
Compressive strength	Class I as a component of StoCretec OS 8.17	system 2+/ EN 1504-2:2004
Compressive strength	NPD as a component of StoCretec OS 11a.20	system 2+/ EN 1504-2:2004
Compressive strength	NPD as a component of StoCretec OS 11b.20	system 2+/ EN 1504-2:2004
Carbon dioxide permeability	sd > 50 m as a component of StoCretec OS 8.17	system 2+/ EN 1504-2:2004
Carbon dioxide permeability	sd > 50 m as a component of StoCretec OS 11a.20	system 2+/ EN 1504-2:2004
Carbon dioxide permeability	sd > 50 m as a component of StoCretec OS 11b.20	system 2+/ EN 1504-2:2004
Crack bridging ability	B 3.2 (-20 °C) as a component of StoCretec OS 11b.20	system 2+/ EN 1504-2:2004
Crack bridging ability	B 3.2 (-20 °C) as a component of StoCretec OS 11a.20	system 2+/ EN 1504-2:2004
Crack bridging ability	NPD as a component of StoCretec OS 8.17	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.

12.01.2023

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

CE

0103-6105-2	**20**	**NB 0921 (system 2+)** **NB 0767 (system 3)** **NB 1508 (system 3)**

PROD4209 StoPox DV 502
EN 1504-2:2004
EN 13813:2002

EN 1504-2:
Surface protection products - coating
Protection against ingress (1.3)
Moisture control (2.2)
Physical resistance (5.1)
Resistance to chemicals (6.1)
Increasing resistivity (8.2)
EN 13813:
Synthetic resin screed material

Reaction to fire	B_{fl} - s1 as a component of StoCretec OS 8.17
Reaction to fire	B_{fl} - s1 as a component of StoCretec OS 11a.20
Reaction to fire	B_{fl} - s1 as a component of StoCretec OS 11b.20
Reaction to fire	E_{fl} (StoDok_20140624_2)
Bond strength	≥ B 1.5
Water vapour permeability	Class III as a component of StoCretec OS 8.17
Water vapour permeability	Class III as a component of StoCretec OS 11a.20
Water vapour permeability	Class III as a component of StoCretec OS 11b.20
Sound absorption coefficient α_w	NPD
Water permeability	NPD
Abrasion resistance	≤ AR1
Adhesion strength by pull-off test	≥ 2.0 (1.5) N/mm² as a component of StoCretec OS 8.17

Adhesion strength by pull-off test	≥ 1.5 (1.0) N/mm² as a component of StoCretec OS 11a.20
Adhesion strength by pull-off test	≥ 1.5 (1.0) N/mm² as a component of StoCretec OS 11b.20
Abrasion resistance	Mass loss < 3000 mg as a component of StoCretec OS 8.17
Abrasion resistance	Mass loss < 3000 mg as a component of StoCretec OS 11a.20
Abrasion resistance	Mass loss < 3000 mg as a component of StoCretec OS 11b.20
Antistatic behaviour	NPD as a component of StoCretec OS 8.17
Antistatic behaviour	NPD as a component of StoCretec OS 11a.20
Antistatic behaviour	NPD as a component of StoCretec OS 11b.20
Chemical resistance	NPD
Release of corrosive substances	SR
Cross cut test	NPD as a component of StoCretec OS 8.17
Cross cut test	NPD as a component of StoCretec OS 11a.20
Cross cut test	NPD as a component of StoCretec OS 11b.20
Slip resistance	Class III as a component of StoCretec OS 8.17
Slip resistance	Class III as a component of StoCretec OS 11a.20
Slip resistance	Class III as a component of StoCretec OS 11b.20
Artificial weathering	NPD as a component of StoCretec OS 8.17
Artificial weathering	NPD as a component of StoCretec OS 11a.20
Artificial weathering	NPD as a component of StoCretec OS 11b.20
Linear shrinkage	< 0,3 % as a component of StoCretec OS 8.17
Linear shrinkage	NPD as a component of StoCretec OS 11a.20
Linear shrinkage	NPD as a component of StoCretec OS 11b.20
Impact sound insulation	NPD
Thermal resistance	NPD
Resistance to temperature shock	NPD as a component of StoCretec OS 8.17
Resistance to temperature shock	NPD as a component of StoCretec OS 11a.20
Resistance to temperature shock	NPD as a component of StoCretec OS 11b.20

Capillary water absorption and water permeability	w < 0,1 kg / (m² · $h^{0,5}$) as a component of StoCretec OS 8.17
Capillary water absorption and water permeability	w < 0,1 kg / (m² · $h^{0,5}$) as a component of StoCretec OS 11a.20
Capillary water absorption and water permeability	w < 0,1 kg / (m² · $h^{0,5}$) as a component of StoCretec OS 11b.20
Impact resistance	Class I as a component of StoCretec OS 8.17
Impact resistance	Class I as a component of StoCretec OS 11a.20
Impact resistance	Class I as a component of StoCretec OS 11b.20
Impact resistance	≥IR4
Coefficient of thermal expansion	NPD as a component of StoCretec OS 11b.20
Coefficient of thermal expansion	NPD as a component of StoCretec OS 11a.20
Coefficient of thermal expansion	NPD as a component of StoCretec OS 8.17
Chemical resistance	NPD as a component of StoCretec OS 8.17
Resistance to severe chemical attack	hardness loss < 50 % as a component of StoCretec OS 8.17
Resistance to severe chemical attack	hardness loss < 50 % as a component of StoCretec OS 11a.20
Resistance to severe chemical attack	hardness loss < 50 % as a component of StoCretec OS 11b.20
Dangerous substances	as a component of StoCretec OS 8.17
Dangerous substances	as a component of StoCretec OS 11a.20
Dangerous substances	as a component of StoCretec OS 11b.20
Adhesion on wet concrete	NPD as a component of StoCretec OS 8.17
Adhesion on wet concrete	NPD as a component of StoCretec OS 11a.20
Adhesion on wet concrete	NPD as a component of StoCretec OS 11b.20
Thermal compatibility	≥ 2.0 (1.5) N/mm² as a component of StoCretec OS 8.17
Thermal compatibility	≥ 2.0 (1.5) N/mm² as a component of StoCretec OS 11a.20
Thermal compatibility	≥ 2.0 (1.5) N/mm² as a component of StoCretec OS 11b.20
Compressive strength	Class I as a component of StoCretec OS 8.17
Compressive strength	NPD as a component of StoCretec OS 11a.20
Compressive strength	NPD as a component of StoCretec OS 11b.20
Carbon dioxide permeability	sd > 50 m as a component of StoCretec OS 8.17

Carbon dioxide permeability	sd > 50 m as a component of StoCretec OS 11a.20
Carbon dioxide permeability	sd > 50 m as a component of StoCretec OS 11b.20
Crack bridging ability	B 3.2 (-20 °C) as a component of StoCretec OS 11b.20
Crack bridging ability	B 3.2 (-20 °C) as a component of StoCretec OS 11a.20
Crack bridging ability	NPD as a component of StoCretec OS 8.17