

Declaration of Performance for the construction product

StoPox GH 530

Unique identification code of the product-type	PROD1497 StoPox GH 530
Intended use/es	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)
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
Notified body/ies	NB 0767 (system 3) NB 0921 (system 2+)
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 8.10 consisting of the components: StoPox GH 530 StoPox BB OS StoCretec OS 8.12 consisting of the components: StoPox GH 530 StoPox DV 100 StoCretec OS 11a.5 consisting of the components: StoPox GH 530 StoPox TEP MultiTop StoPox DV 100 StoCretec OS 11b.5-1 consisting of the components: StoPox GH 530 StoPox TEP MultiTop StoPox DV 100

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	B _{fl} - s1 as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 3 / EN 1504-2:2004

Reaction to fire	C _{fl} - s1 as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	system 3 / EN 1504-2:2004
Water vapour permeability	Class III as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 2+ / EN 1504-2:2004
Water vapour permeability	Class III as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	system 2+ / EN 1504-2:2004
Adhesion strength by pull-off test	≥ 2.0 (1.5) N/mm ² as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 2+ / EN 1504-2:2004
Adhesion strength by pull-off test	≥ 1.5 (1.0) N/mm ² as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	system 2+ / EN 1504-2:2004
Abrasion resistance	Mass loss < 3000 mg as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 2+ / EN 1504-2:2004
Abrasion resistance	Mass loss < 3000 mg as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	system 2+ / EN 1504-2:2004
Antistatic behaviour	NPD as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 2+ / EN 1504-2:2004
Antistatic behaviour	NPD as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	system 2+ / EN 1504-2:2004
Cross cut test	NPD as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 2+ / EN 1504-2:2004
Cross cut test	NPD as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	system 2+ / EN 1504-2:2004
Slip resistance	Class III as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 2+ / EN 1504-2:2004
Slip resistance	Class III as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	system 2+ / EN 1504-2:2004
Artificial weathering	NPD as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 2+ / EN 1504-2:2004
Artificial weathering	NPD as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	system 2+ / EN 1504-2:2004
Linear shrinkage	≤ 0.3 % as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 2+ / EN 1504-2:2004
Linear shrinkage	NPD as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	system 2+ / EN 1504-2:2004
Resistance to temperature shock	NPD as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 2+ / EN 1504-2:2004
Resistance to temperature shock	NPD as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	system 2+ / EN 1504-2:2004
Capillary water absorption and water permeability	w < 0.1 kg/(m ² *h0.5) as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 2+ / EN 1504-2:2004
Capillary water absorption and water permeability	w < 0.1 kg/(m ² *h0.5) as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	system 2+ / EN 1504-2:2004
Impact resistance	Class I as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 2+ / EN 1504-2:2004
Impact resistance	Class I as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	system 2+ / EN 1504-2:2004
Coefficient of thermal expansion	NPD as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 2+ / EN 1504-2:2004
Coefficient of thermal expansion	NPD as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	system 2+ / EN 1504-2:2004
Chemical resistance	NPD as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 2+ / EN 1504-2:2004
Chemical resistance	NPD as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	system 2+ / EN 1504-2:2004
Resistance to severe chemical attack	decrease in hardness < 50% as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 2+ / EN 1504-2:2004

Resistance to severe chemical attack	decrease in hardness < 50% as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	system 2+/ EN 1504-2:2004
Dangerous substances	NPD as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 2+/ EN 1504-2:2004
Dangerous substances	NPD as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	system 2+/ EN 1504-2:2004
Adhesion on wet concrete	NPD as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 2+/ EN 1504-2:2004
Adhesion on wet concrete	NPD as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	system 2+/ EN 1504-2:2004
Thermal compatibility	≥ 2.0 (1.5) N/mm ² as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 2+/ EN 1504-2:2004
Thermal compatibility	≥ 1.5 (1.0) N/mm ² as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	system 2+/ EN 1504-2:2004
Compressive strength	Class I as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 2+/ EN 1504-2:2004
Compressive strength	NPD as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	system 2+/ EN 1504-2:2004
Carbon dioxide permeability	sd > 50 m as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 2+/ EN 1504-2:2004
Carbon dioxide permeability	sd > 50 m as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	system 2+/ EN 1504-2:2004
Crack bridging ability	NPD as a component of StoCretec OS 8.10 and StoCretec OS 8.12	system 2+/ EN 1504-2:2004
Crack bridging ability	B 3.2 (-20 °C) as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1	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:

Signature Francisco Ramos

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

10.06.2025

Sto SE & Co. KGaA, Ehrenbachstr. 1, D-79780 Stühlingen

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



Sto SE & Co. KGaA
Ehrenbachstr. 1
D-79780 Stühlingen

0103-6017-5

11

NB 0767 (system 3)
NB 0921 (system 2+)

**PROD1497 StoPox GH 530
EN 1504-2:2004**

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)

Reaction to fire	B _{fl} - s1 as a component of StoCretec OS 8.10 and StoCretec OS 8.12
Reaction to fire	C _{fl} - s1 as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1
Water vapour permeability	Class III as a component of StoCretec OS 8.10 and StoCretec OS 8.12
Water vapour permeability	Class III as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1
Adhesion strength by pull-off test	≥ 2.0 (1.5) N/mm ² as a component of StoCretec OS 8.10 and StoCretec OS 8.12
Adhesion strength by pull-off test	≥ 1.5 (1.0) N/mm ² as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1
Abrasion resistance	Mass loss < 3000 mg as a component of StoCretec OS 8.10 and StoCretec OS 8.12
Abrasion resistance	Mass loss < 3000 mg as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1
Antistatic behaviour	NPD as a component of StoCretec OS 8.10 and StoCretec OS 8.12
Antistatic behaviour	NPD as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1
Cross cut test	NPD as a component of StoCretec OS 8.10 and StoCretec OS 8.12
Cross cut test	NPD as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1
Slip resistance	Class III as a component of StoCretec OS 8.10 and StoCretec OS 8.12
Slip resistance	Class III as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1
Artificial weathering	NPD as a component of StoCretec OS 8.10 and StoCretec OS 8.12
Artificial weathering	NPD as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1
Linear shrinkage	≤ 0.3 % as a component of StoCretec OS 8.10 and StoCretec OS 8.12

Linear shrinkage	NPD as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1
Resistance to temperature shock	NPD as a component of StoCretec OS 8.10 and StoCretec OS 8.12
Resistance to temperature shock	NPD as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1
Capillary water absorption and water permeability	$w < 0.1 \text{ kg}/(\text{m}^2 \cdot \text{h} \cdot 0.5)$ as a component of StoCretec OS 8.10 and StoCretec OS 8.12
Capillary water absorption and water permeability	$w < 0.1 \text{ kg}/(\text{m}^2 \cdot \text{h} \cdot 0.5)$ as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1
Impact resistance	Class I as a component of StoCretec OS 8.10 and StoCretec OS 8.12
Impact resistance	Class I as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1
Coefficient of thermal expansion	NPD as a component of StoCretec OS 8.10 and StoCretec OS 8.12
Coefficient of thermal expansion	NPD as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1
Chemical resistance	NPD as a component of StoCretec OS 8.10 and StoCretec OS 8.12
Chemical resistance	NPD as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1
Resistance to severe chemical attack	decrease in hardness $< 50\%$ as a component of StoCretec OS 8.10 and StoCretec OS 8.12
Resistance to severe chemical attack	decrease in hardness $< 50\%$ as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1
Dangerous substances	NPD as a component of StoCretec OS 8.10 and StoCretec OS 8.12
Dangerous substances	NPD as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1
Adhesion on wet concrete	NPD as a component of StoCretec OS 8.10 and StoCretec OS 8.12
Adhesion on wet concrete	NPD as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1
Thermal compatibility	$\geq 2.0 (1.5) \text{ N}/\text{mm}^2$ as a component of StoCretec OS 8.10 and StoCretec OS 8.12
Thermal compatibility	$\geq 1.5 (1.0) \text{ N}/\text{mm}^2$ as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1
Compressive strength	Class I as a component of StoCretec OS 8.10 and StoCretec OS 8.12
Compressive strength	NPD as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1
Carbon dioxide permeability	$s_d > 50 \text{ m}$ as a component of StoCretec OS 8.10 and StoCretec OS 8.12
Carbon dioxide permeability	$s_d > 50 \text{ m}$ as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1
Crack bridging ability	NPD as a component of StoCretec OS 8.10 and StoCretec OS 8.12
Crack bridging ability	B 3.2 (-20 °C) as a component of StoCretec OS 11a.5 and StoCretec OS 11b.5-1

