

# Declaration of Performance for the construction product

## StoPox GH 502

<b>Unique identification code of the product-type</b>	PROD1182 StoPox GH 502
<b>Intended use/es</b>	<p>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)</p> <p>EN 13813: Synthetic resin screed material</p>
<b>Manufacturer</b>	Sto SE & Co. KGaA, Ehrenbachstr. 1, D-79780 Stühlingen
<b>System/s of AVCP</b>	<p>EN 1504-2: System 2+ (for uses in buildings and civil engineering works) System 3 (for uses subject to reaction to fire regulations)</p> <p>EN 13813: System 4 (for uses in interiors) System 3 (for uses in interiors subject to reaction to fire regulations)</p>
<b>Harmonised standard</b>	EN 1504-2:2004 EN 13813:2002
<b>Notified body/ies</b>	NB 0767 (system 3) NB 0921 (system 2+)
<b>European Assessment Document</b>	Not relevant
<b>European Technical Assessment</b>	Not relevant
<b>Technical Assessment Body</b>	Not relevant
<b>Appropriate Technical Documentation and/or Specific Technical Documentation</b>	Not relevant
<b>Declared performance/s</b>	<p>The product is used in the surface protection systems: StoCretec OS 8.6 consisting of the components: StoPox GH 502 StoPox BB OS</p> <p>StoCretec OS 8.8 consisting of the components: StoPox GH 502 StoPox DV 100</p> <p>StoCretec OS 8.15 consisting of the components: StoPox GH 502 StoPox 590 EP</p>

StoPox DV 100

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	B <sub>fi</sub> - s1 as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 1504-2:2004
Reaction to fire	B <sub>fi</sub> - s1 as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 13813:2002
Water vapour permeability	Class II as component of StoCretec OS 8.15	
Water vapour permeability	Class III as a component of StoCretec OS 8.6 and StoCretec OS 8.8	EN 1504-2:2004
Bond strength	≥ B 1.5 as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 13813:2002
Sound absorption coefficient α <sub>w</sub>	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 13813:2002
Water permeability	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 13813:2002
Abrasion resistance	≤ AR1..as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 13813:2002
Adhesion strength by pull-off test	≥ 2.0 (1.5) N/mm <sup>2</sup> as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 1504-2:2004
Abrasion resistance	Mass loss < 3000 mg as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 1504-2:2004
Antistatic behaviour	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 1504-2:2004
Chemical resistance	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 13813:2002
Release of corrosive substances	SR as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 13813:2002
Cross cut test	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 1504-2:2004
Slip resistance	Class III as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 1504-2:2004
Artificial weathering	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 1504-2:2004
Linear shrinkage	≤ 0.3 % as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 1504-2:2004
Impact sound insulation	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 13813:2002
Thermal resistance	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 13813:2002
Resistance to temperature shock	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 1504-2:2004
Capillary water absorption and water permeability	w < 0.1 kg/(m <sup>2</sup> *h0.5) as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 1504-2:2004
Impact resistance	Class I as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 1504-2:2004
Impact resistance	≥ IR4 as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 13813:2002
Coefficient of thermal expansion	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 1504-2:2004

Chemical resistance	OS 8.8, and StoCretec OS 8.15 NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 1504-2:2004
Resistance to severe chemical attack	decrease in hardness < 50% as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 1504-2:2004
Dangerous substances	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 1504-2:2004
Adhesion on wet concrete	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 1504-2:2004
Thermal compatibility	$\geq 2.0 (1.5) \text{ N/mm}^2$ as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 1504-2:2004
Compressive strength	Class I as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 1504-2:2004
Carbon dioxide permeability	$s_d > 50 \text{ m}$ as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	EN 1504-2:2004
Crack bridging ability	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15	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.

12.12.2022

Sto SE & Co. KGaA D-79780 Stühlingen

The current valid version of the declaration of performance is available at [www.sto.com/ce](http://www.sto.com/ce).



**Sto SE & Co. KGaA**  
Ehrenbachstraße 1  
D-79780 Stühlingen

0103-6016-3

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

**PROD1182 StoPox GH 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 <sub>fl</sub> - s1 as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Reaction to fire	B <sub>fl</sub> - s1 as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Bond strength	≥ B 1.5 as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Water vapour permeability	Class II as component of StoCretec OS 8.15
Water vapour permeability	Class III as a component of StoCretec OS 8.6 and StoCretec OS 8.8
Sound absorption coefficient $\alpha_w$	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Water permeability	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Abrasion resistance	≤ AR1 as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Adhesion strength by pull-off test	≥ 2.0 (1.5) N/mm <sup>2</sup> as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Abrasion resistance	Mass loss < 3000 mg as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15

Antistatic behaviour	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Chemical resistance	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Release of corrosive substances	SR as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Cross cut test	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Slip resistance	Class III as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Artificial weathering	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Linear shrinkage	≤ 0.3 % as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Impact sound insulation	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Thermal resistance	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Resistance to temperature shock	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Capillary water absorption and water permeability	$w < 0.1 \text{ kg}/(\text{m}^2 \cdot \text{h}^{0.5})$ as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Impact resistance	Class I as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Impact resistance	≥ IR4 as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Coefficient of thermal expansion	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Chemical resistance	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Resistance to severe chemical attack	decrease in hardness < 50% as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Dangerous substances	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Adhesion on wet concrete	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Thermal compatibility	≥ 2.0 (1.5) N/mm <sup>2</sup> as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Compressive strength	Class I as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Carbon dioxide permeability	sd > 50 m as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15
Crack bridging ability	NPD as a component of StoCretec OS 8.6, StoCretec OS 8.8, and StoCretec OS 8.15

