

# Declaration of Performance for the construction product StoPox BB OS

<b>Unique identification code of the product-type</b>	PROD0216 StoPox BB OS
<b>Intended use/es</b>	EN 1504-2: Surface protection products - coating Protection against ingress (1.3) Physical resistance (5.1) Resistance to chemicals (6.1)
<b>Manufacturer</b>	Sto SE & Co. KGaA, Ehrenbachstr. 1, D-79780 Stühlingen
<b>System/s of AVCP</b>	EN 1504-2: System 2+ (for uses in buildings and civil engineering works) System 3 (for uses subject to reaction to fire regulations)
<b>Harmonised standard</b>	EN 1504-2:2004
<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>	The product is used in the surface protection systems: StoCretec OS 8.6 consisting of the components: StoPox GH 502 StoPox BB OS StoCretec OS 8.10 consisting of the components: StoPox GH 530 StoPox BB OS

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	B <sub>fl</sub> - s1 as a component of StoCretec OS 8.6 and StoCretec OS 8.10	system 3 / EN 1504-2:2004
Water vapour permeability	Class III as a component of StoCretec OS 8.6 and StoCretec OS 8.10	system 2+ / EN 1504-2:2004
Adhesion strength by pull-off test	≥ 2.0 (1.5) N/mm <sup>2</sup> as a component of StoCretec OS 8.6 and StoCretec OS 8.10	system 2+ / EN 1504-2:2004
Abrasion resistance	Mass loss < 3000 mg as a component of StoCretec OS 8.6 and StoCretec OS 8.10	system 2+ / EN 1504-2:2004
Antistatic behaviour	NPD as a component of StoCretec OS 8.6 and StoCretec OS 8.10	system 2+ / EN 1504-2:2004
Cross cut test	NPD as a component of StoCretec OS 8.6 and StoCretec OS 8.10	system 2+ / EN 1504-2:2004
Slip resistance	Class III as a component of StoCretec OS 8.6 and StoCretec OS 8.10	system 2+ / EN 1504-2:2004

Artificial weathering	NPD as a component of StoCretec OS 8.6 and StoCretec OS 8.10	system 2+/ EN 1504-2:2004
Linear shrinkage	≤ 0.3 % as a component of StoCretec OS 8.6 and StoCretec OS 8.10	system 2+/ EN 1504-2:2004
Resistance to temperature shock	NPD as a component of StoCretec OS 8.6 and StoCretec OS 8.10	system 2+/ EN 1504-2:2004
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 8.6 and StoCretec OS 8.10	system 2+/ EN 1504-2:2004
Impact resistance	Class I as a component of StoCretec OS 8.6 and StoCretec OS 8.10	system 2+/ EN 1504-2:2004
Coefficient of thermal expansion	NPD as a component of StoCretec OS 8.6 and StoCretec OS 8.10	system 2+/ EN 1504-2:2004
Chemical resistance	NPD as a component of StoCretec OS 8.6 and StoCretec OS 8.10	system 2+/ EN 1504-2:2004
Resistance to severe chemical attack	decrease in hardness < 50% as a component of StoCretec OS 8.6 and StoCretec OS 8.10	system 2+/ EN 1504-2:2004
Dangerous substances	NPD as a component of StoCretec OS 8.6 and StoCretec OS 8.10	system 2+/ EN 1504-2:2004
Adhesion on wet concrete	NPD as a component of StoCretec OS 8.6 and StoCretec OS 8.10	system 2+/ EN 1504-2:2004
Thermal compatibility	≥ 2.0 (1.5) N/mm <sup>2</sup> as a component of StoCretec OS 8.6 and StoCretec OS 8.10	system 2+/ EN 1504-2:2004
Compressive strength	Class I as a component of StoCretec OS 8.6 and StoCretec OS 8.10	system 2+/ EN 1504-2:2004
Carbon dioxide permeability	$sd > 50 \text{ m}$ as a component of StoCretec OS 8.6 and StoCretec OS 8.10	system 2+/ EN 1504-2:2004
Crack bridging ability	NPD as a component of StoCretec OS 8.6 and StoCretec OS 8.10	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](http://www.sto.com/ce).



Sto SE & Co. KGaA  
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NB 0767 (system 3)  
NB 0921 (system 2+)

**PROD0216 StoPox BB OS**  
**EN 1504-2:2004**

EN 1504-2:  
Surface protection products - coating  
Protection against ingress (1.3)  
Physical resistance (5.1)  
Resistance to chemicals (6.1)

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Capillary water absorption and water permeability	w < 0.1 kg/(m <sup>2</sup> *h0.5) as a component of StoCretec OS 8.6 and StoCretec OS 8.10
Impact resistance	Class I as a component of StoCretec OS 8.6 and StoCretec OS 8.10
Coefficient of thermal expansion	NPD as a component of StoCretec OS 8.6 and StoCretec OS 8.10
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Resistance to severe chemical attack	decrease in hardness < 50% as a component of StoCretec OS 8.6 and StoCretec OS 8.10
Dangerous substances	NPD as a component of StoCretec OS 8.6 and StoCretec OS 8.10
Adhesion on wet concrete	NPD as a component of StoCretec OS 8.6 and StoCretec OS 8.10

Thermal compatibility	≥ 2.0 (1.5) N/mm <sup>2</sup> as a component of StoCretec OS 8.6 and StoCretec OS 8.10
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