

# Declaration of Performance for the construction product

## StoPox 452 EP

<b>Unique identification code of the product-type</b>	PROD0175 StoPox 452 EP
<b>Intended use/es</b>	Surface protection products - coating Protection against ingress (1.3)
<b>Manufacturer</b>	Sto SE & Co. KGaA, Ehrenbachstr. 1, D-79780 Stühlingen
<b>System/s of AVCP</b>	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 0921 (system 2+) NB 0767 (system 3)
<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

Declared performance/s		
Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	E <sub>ii</sub>	system 3 / EN 1504-2:2004
Water vapour permeability	Class III	system 2+ / EN 1504-2:2004
Adhesion strength by pull-off test	≥ 2.0 (1.5) N/mm <sup>2</sup>	system 2+ / EN 1504-2:2004
Antistatic behaviour	NPD	system 2+ / EN 1504-2:2004
Cross cut test	NPD	system 2+ / EN 1504-2:2004
Slip resistance	NPD	system 2+ / EN 1504-2:2004
Artificial weathering	NPD	system 2+ / EN 1504-2:2004
Linear shrinkage	NPD	system 2+ / EN 1504-2:2004
Resistance to temperature shock	NPD	system 2+ / EN 1504-2:2004
Capillary water absorption and water permeability	w < 0.1 kg/(m <sup>2</sup> *h0.5)	system 2+ / EN 1504-2:2004
Coefficient of thermal expansion	NPD	system 2+ / EN 1504-2:2004
Chemical resistance	NPD	system 2+ / EN 1504-2:2004
Dangerous substances	NPD	system 2+ / EN 1504-2:2004
Adhesion on wet concrete	NPD	system 2+ / EN 1504-2:2004
Thermal compatibility	NPD	system 2+ / EN 1504-2:2004
Carbon dioxide permeability	sd > 50 m	system 2+ / EN 1504-2:2004
Crack bridging ability	NPD	system 2+ / EN 1504-2:2004

*NPD = no performance determined*

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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:

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  
Ehrenbachstr. 1  
D-79780 Stühlingen

0103-6029-3

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

**PROD0175 StoPox 452 EP**  
**EN 1504-2:2004**

Surface protection products - coating  
Protection against ingress (1.3)

Reaction to fire	E <sub>fi</sub>
Water vapour permeability	Class III
Adhesion strength by pull-off test	≥ 2.0 (1.5) N/mm <sup>2</sup>
Antistatic behaviour	NPD
Cross cut test	NPD
Slip resistance	NPD
Artificial weathering	NPD
Linear shrinkage	NPD
Resistance to temperature shock	NPD
Capillary water absorption and water permeability	w < 0.1 kg/(m <sup>2</sup> *h0.5)
Coefficient of thermal expansion	NPD
Chemical resistance	NPD
Dangerous substances	NPD
Adhesion on wet concrete	NPD
Thermal compatibility	NPD
Carbon dioxide permeability	sd > 50 m
Crack bridging ability	NPD