

# Declaration of Performance for the construction product

## StoPox KU 411

<b>Unique identification code of the product-type</b>	PROD1130 StoPox KU 411	
<b>Intended use/es</b>	<p>EN 1504-2: Surface protection products - coating Protection against ingress (1.3) Physical resistance (5.1) Resistance to chemicals (6.1)</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 4 (for uses in interiors subject to reaction to fire regulations)</p>	
<b>Harmonised standard</b>	<p>EN 1504-2:2004 EN 13813:2002</p>	
<b>Notified body/ies</b>	<p>NB 0767 (system 3) NB 0921 (system 2+)</p>	
<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>	reaction to fire: E <sub>fl</sub> (StoDok_20140624_2)	
<b>Declared performance/s</b>	This product is used in conjunction with a primer:	
Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	E <sub>fl</sub>	system 3 / EN 1504-2:2004
Reaction to fire	E <sub>fl</sub> (StoDok_20140624_2)	system 4 / EN 13813:2002
Water vapour permeability	Class III	system 2+ / EN 1504-2:2004
Bond strength	≥ B 1.5	system 4 / EN 13813:2002
Sound absorption coefficient α <sub>w</sub>	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/mm <sup>2</sup>	system 2+ / EN 1504-2:2004

Abrasion resistance	Mass loss < 3000 mg	system 2+ / EN 1504-2:2004
Antistatic behaviour	NPD	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	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
Impact sound insulation	NPD	system 4 / EN 13813:2002
Thermal resistance	NPD	system 4 / EN 13813:2002
Resistance to temperature shock	NPD	system 2+ / EN 1504-2:2004
Capillary water absorption and water permeability	$w < 0.1 \text{ kg}/(\text{m}^2 \cdot \text{h} \cdot 0.5)$	system 2+ / EN 1504-2:2004
Impact resistance	Class I	system 2+ / EN 1504-2:2004
Impact resistance	$\geq \text{IR}4$	system 4 / EN 13813:2002
Coefficient of thermal expansion	NPD	system 2+ / EN 1504-2:2004
Chemical resistance	NPD	system 2+ / EN 1504-2:2004
Resistance to severe chemical attack	decrease in hardness < 50%	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
Compressive strength	NPD	system 2+ / EN 1504-2:2004
Carbon dioxide permeability	$s_d > 50 \text{ m}$	system 2+ / EN 1504-2:2004
Crack bridging ability	NPD	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.

13.02.2023

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**  
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D-79780 Stühlingen

0103-6063-1

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

**PROD1130 StoPox KU 411**  
**EN 1504-2:2004**  
**EN 13813:2002**

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

EN 13813:  
Synthetic resin screed material

Reaction to fire	E <sub>fl</sub>
Reaction to fire	E <sub>fl</sub> (StoDok_20140624_2)
Bond strength	≥ B 1.5
Water vapour permeability	Class III
Sound absorption coefficient $\alpha_w$	NPD
Water permeability	NPD
Abrasion resistance	≤ AR1
Adhesion strength by pull-off test	≥ 2.0 (1.5) N/mm <sup>2</sup>
Abrasion resistance	Mass loss < 3000 mg
Antistatic behaviour	NPD
Chemical resistance	NPD
Release of corrosive substances	SR
Cross cut test	NPD

Slip resistance	NPD
Artificial weathering	NPD
Linear shrinkage	NPD
Impact sound insulation	NPD
Thermal resistance	NPD
Resistance to temperature shock	NPD
Capillary water absorption and water permeability	$w < 0.1 \text{ kg}/(\text{m}^2 \cdot \text{h} \cdot 0.5)$
Impact resistance	Class I
Impact resistance	$\geq \text{IR}4$
Coefficient of thermal expansion	NPD
Chemical resistance	NPD
Resistance to severe chemical attack	decrease in hardness < 50%
Dangerous substances	NPD
Adhesion on wet concrete	NPD
Thermal compatibility	NPD
Compressive strength	NPD
Carbon dioxide permeability	$s_d > 50 \text{ m}$
Crack bridging ability	NPD