

Declaration of Performance for the construction product

StoCryl HP 100

Unique identification code of the product-type	PROD0574 StoCryl HP 100	
Intended use/es	<p>Surface protection products - hydrophobic impregnation Protection against ingress (1.1) moisture control (2.1) increase in electrical resistance (8.1)</p> <p>Surface protection products - coating Protection against ingress (1.3) Moisture control (2.2) Increasing resistivity (8.2)</p>	
Manufacturer	Sto SE & Co. KGaA, Ehrenbachstr. 1, D-79780 Stühlingen	
System/s of AVCP	<p>System 2+ (for uses in buildings and civil engineering works)</p> <p>System 3 (for uses subject to reaction to fire regulations)</p>	
Harmonised standard	EN 1504-2:2004	
Notified body/ies	<p>NB 0767 (system 3) NB 0921 (system 2+)</p>	
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	<p>The product is used in the surface protection systems: StoCretec OS 1.2 consisting of the components: StoCryl HP 100 StoCretec OS 2.2 consisting of the components: StoCryl HP 100 StoCryl V 100</p>	
Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	E	system 3 / EN 1504-2:2004
Water vapour permeability	Class I	system 2+ / EN 1504-2:2004
Adhesion strength by pull-off test	$\geq 1.0 (0.7) \text{ N/mm}^2$	system 2+ / EN 1504-2:2004
Antistatic behaviour	NPD	system 2+ / EN 1504-2:2004
Cross cut test	$\leq \text{GT } 2$	system 2+ / EN 1504-2:2004
Slip resistance	NPD	system 2+ / EN 1504-2:2004
Artificial weathering	No visible defects	system 2+ / EN 1504-2:2004

Linear shrinkage	NPD	system 2+/ EN 1504-2:2004
Loss of mass after freeze-thaw-salt stress	compared to the non-impregnated test body, 20 cycles later	system 2+/ EN 1504-2:2004
Drying rate	class II: > 10%	system 2+/ EN 1504-2:2004
Resistance to temperature shock	NPD	system 2+/ EN 1504-2:2004
Capillary water absorption and water permeability	$w < 0.1 \text{ kg}/(\text{m}^2 \cdot \text{h} \cdot 0.5)$	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	$\geq 1.0 (0.7) \text{ N}/\text{mm}^2$	system 2+/ EN 1504-2:2004
Depth of penetration	class I: < 10 mm	system 2+/ EN 1504-2:2004
Water absorption and resistance against alkali	Absorption coefficient < 7.5 %, compared to the untreated test body, Absorption coefficient < 10 %, after immersion in an alkaline solution	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.

06.04.2023

Sto SE & Co. KGaA D-79780 Stühlingen

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



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

0103-6004-1

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

PROD0574 StoCryl HP 100
EN 1504-2:2004

Surface protection products - hydrophobic impregnation
Protection against ingress (1.1)
moisture control (2.1)
increase in electrical resistance (8.1)

Surface protection products - coating
Protection against ingress (1.3)
Moisture control (2.2)
Increasing resistivity (8.2)

Reaction to fire	E
Water vapour permeability	Class I
Adhesion strength by pull-off test	≥ 1.0 (0.7) N/mm ²
Antistatic behaviour	NPD
Cross cut test	≤ GT 2
Slip resistance	NPD
Artificial weathering	No visible defects
Linear shrinkage	NPD
Loss of mass after freeze-thaw-salt stress	compared to the non-impregnated test body, 20 cycles later
Drying rate	class II: > 10%
Resistance to temperature shock	NPD
Capillary water absorption and water permeability	w < 0.1 kg/(m ² *h0.5)
Coefficient of thermal expansion	NPD

Chemical resistance	NPD
Dangerous substances	NPD
Adhesion on wet concrete	NPD
Thermal compatibility	$\geq 1.0 (0.7) \text{ N/mm}^2$
Depth of penetration	class I: < 10 mm
Water absorption and resistance against alkali	Absorption coefficient < 7.5 %, compared to the untreated test body, Absorption coefficient < 10 %, after immersion in an alkaline solution
Carbon dioxide permeability	sd > 50 m
Crack bridging ability	NPD