

# Declaration of Performance for the construction product

## StoCryl GW 100

<b>Unique identification code of the product-type</b>	PROD0568 StoCryl GW 100
<b>Intended use/es</b>	Surface protection products - coating Protection against ingress (1.3) Moisture control (2.2) Increasing resistivity (8.2)
<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
<b>Declared performance/s</b>	The product is used in the surface protection systems: StoCretec OS 2.1 consisting of the components: StoCryl GW 100 StoCryl V 100 and in conjunction with StoCryl BF 700  StoCretec OS 2.3 consisting of the components: StoCryl GW 100 StoPox TU 100

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	B - s1, d0 (in conjunction with StoCryl BF 700)	system 3 / EN 1504-2:2004
Reaction to fire	E as a component of StoCretec OS 2.1, StoCretec OS 2.3	system 3 / EN 1504-2:2004
Water vapour permeability	Class I as a component of StoCretec OS 2.1, StoCretec OS 2.3	system 2+ / EN 1504-2:2004
Adhesion strength by pull-off test	≥ 1.0 (0.7) N/mm <sup>2</sup>	system 2+ / EN 1504-2:2004
Antistatic behaviour	NPD	system 2+ / EN 1504-2:2004
Cross cut test	≤ GT 2 as a component of StoCretec OS 2.1, StoCretec OS 2.3	system 2+ / EN 1504-2:2004
Slip resistance	NPD	system 2+ / EN 1504-2:2004

Artificial weathering	No visible defects as a component of StoCretec OS 2.1, StoCretec OS 2.3	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	$w < 0,1 \text{ kg} / (\text{m}^2 \cdot \text{h}^{0,5})$ as a component of StoCretec OS 2.1, StoCretec OS 2.3	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	$\geq 1.0 (0.7) \text{ N/mm}^2$ as a component of StoCretec OS 2.1, StoCretec OS 2.3	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	$sd > 50 \text{ m}$ as a component of StoCretec OS 2.1, StoCretec OS 2.3	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](http://www.sto.com/ce).



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

**0103-6001-3**

**09**

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

**PROD0568 StoCryl GW 100**  
**EN 1504-2:2004**

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

Reaction to fire	B - s1, d0 (in conjunction with StoCryl BF 700)
Reaction to fire	E as a component of StoCretec OS 2.1, StoCretec OS 2.3
Water vapour permeability	Class I as a component of StoCretec OS 2.1, StoCretec OS 2.3
Adhesion strength by pull-off test	≥ 1.0 (0.7) N/mm <sup>2</sup>
Antistatic behaviour	NPD
Cross cut test	≤ GT 2 as a component of StoCretec OS 2.1, StoCretec OS 2.3
Slip resistance	NPD
Artificial weathering	No visible defects as a component of StoCretec OS 2.1, StoCretec OS 2.3
Linear shrinkage	NPD
Resistance to temperature shock	NPD
Capillary water absorption and water permeability	w < 0,1 kg / (m <sup>2</sup> · h <sup>0,5</sup> ) as a component of StoCretec OS 2.1, StoCretec OS 2.3
Coefficient of thermal expansion	NPD
Chemical resistance	NPD
Dangerous substances	NPD
Adhesion on wet concrete	NPD
Thermal compatibility	≥ 1.0 (0.7) N/mm <sup>2</sup> as a component of StoCretec OS 2.1, StoCretec OS 2.3

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 as a component of StoCretec OS 2.1, StoCretec OS 2.3

Crack bridging ability

NPD