

# Declaration of Performance for the construction product

## StoCryl RB

<b>Unique identification code of the product-type</b>	PROD0695 StoCryl RB
<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>	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 0921 (system 2+) NB 0767 (system 3) NB 1508 (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>	StoCretec OS 5a.1 consisting of the components: StoCrete TF 200 StoCryl RB StoCretec OS 5a.3 consisting of the components: StoCrete TF 204 StoCryl RB StoCretec OS 5a.4 consisting of the components: StoCryl ZB StoCryl RB

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	≥ 0.8 (0.5) 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	system 2+ / EN 1504-2:2004
Slip resistance	NPD as a component of StoCretec OS 5a.1, StoCretec OS 5a.3, StoCretec OS 5a.4,	system 2+ / EN 1504-2:2004

Artificial weathering	No visible defects as a component of StoCretec OS 5a.1, StoCretec OS 5a.3, StoCretec OS 5a.4,	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	$w < 0.1 \text{ kg}/(\text{m}^2 \cdot \text{h} \cdot 0.5)$	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	$\geq 0.8 (0.5) \text{ N}/\text{mm}^2$ as a component of StoCretec OS 5a.1, StoCretec OS 5a.3, StoCretec OS 5a.4,	system 2+/ EN 1504-2:2004
Carbon dioxide permeability	$s_d > 50 \text{ m}$	system 2+/ EN 1504-2:2004
Crack bridging ability	B 2 (-20 °C) as a component of StoCretec OS 5a.1, StoCretec OS 5a.3, StoCretec OS 5a.4,	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

**0103-6005-2**

**09**

**NB 0921 (system 2+)**  
**NB 0767 (system 3)**  
**NB 1508 (system 3)**

**PROD0695 StoCryl RB**  
**EN 1504-2:2004**

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	≥ 0.8 (0.5) N/mm <sup>2</sup>
Antistatic behaviour	NPD
Cross cut test	≤ GT 2
Slip resistance	NPD as a component of StoCretec OS 5a.1, StoCretec OS 5a.3, StoCretec OS 5a.4,
Artificial weathering	No visible defects as a component of StoCretec OS 5a.1, StoCretec OS 5a.3, StoCretec OS 5a.4,
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	≥ 0.8 (0.5) N/mm <sup>2</sup> as a component of StoCretec OS 5a.1, StoCretec OS 5a.3, StoCretec OS 5a.4,

Carbon dioxide permeability

sd > 50 m

Crack bridging ability

B 2 (-20 °C) as a component of StoCretec OS 5a.1, StoCretec OS 5a.3, StoCretec OS 5a.4,