

# Declaration of Performance for the construction product

## StoPma GH 500

<b>Unique identification code of the product-type</b>	PROD3553 StoPma GH 500
<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>	
<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 13813:2002 EN 1504-2:2004</p>
<b>Notified body/ies</b>	<p>NB 1119 (system 2+) NB 0767 (system 3)</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>	<p>as a component of StoCretec OS 8.16 StoPma GH 500 StoPma RZ 500 StoPma DV 500 StoPma KAT 300</p>

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	E <sub>fl</sub> (StoDok_20140624_2)	system 4 / EN 13813:2002
Reaction to fire	C <sub>fl</sub> - s1 as a component of StoCretec OS 8.16	system 3 / EN 1504-2:2004
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> as a component of StoCretec OS 8.16	system 2+ / EN 1504-2:2004
Abrasion resistance	Mass loss < 3000 mg as a component of	system 2+ / EN 1504-2:2004

**Declaration of Performance 0103-6082-3**

In accordance with EU-CPR no. 305/2011

	StoCretec OS 8.16	
Antistatic behaviour	NPD as a component of StoCretec OS 8.16	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 as a component of StoCretec OS 8.16	system 2+ / EN 1504-2:2004
Slip resistance	Class III as a component of StoCretec OS 8.16	system 2+ / EN 1504-2:2004
Artificial weathering	NPD as a component of StoCretec OS 8.16	system 2+ / EN 1504-2:2004
Linear shrinkage	NPD as a component of StoCretec OS 8.16	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 as a component of StoCretec OS 8.16	system 2+ / EN 1504-2:2004
Capillary water absorption and water permeability	$w < 0.1 \text{ kg}/(\text{m}^2 \cdot \text{h} \cdot 0.5)$ as a component of StoCretec OS 8.16	system 2+ / EN 1504-2:2004
Impact resistance	Class I as a component of StoCretec OS 8.16	system 2+ / EN 1504-2:2004
Impact resistance	$\geq \text{IR}4$	system 4 / EN 13813:2002
Coefficient of thermal expansion	NPD as a component of StoCretec OS 8.16	system 2+ / EN 1504-2:2004
Chemical resistance	NPD as a component of StoCretec OS 8.16	system 2+ / EN 1504-2:2004
Resistance to severe chemical attack	decrease in hardness $< 50\%$ as a component of StoCretec OS 8.16	system 2+ / EN 1504-2:2004
Dangerous substances	NPD as a component of StoCretec OS 8.16	system 2+ / EN 1504-2:2004
Adhesion on wet concrete	NPD as a component of StoCretec OS 8.16	system 2+ / EN 1504-2:2004
Thermal compatibility	$\geq 2.0 (1.5) \text{ N}/\text{mm}^2$ as a component of StoCretec OS 8.16	system 2+ / EN 1504-2:2004
Compressive strength	NPD as a component of StoCretec OS 8.16	EN 1504-2:2004 / system 2+
Carbon dioxide permeability	$sd > 50 \text{ m}$ as a component of StoCretec OS 8.16	system 2+ / EN 1504-2:2004
Crack bridging ability	NPD as a component of StoCretec OS 8.16	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:

Signature Francisco Ramos

This copy was created by machine and is valid without signature.

18.01.2024

The current valid version of the declaration of performance is available at [www.sto.com/ce](http://www.sto.com/ce).



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NB 1119 (system 2+)  
NB 0767 (system 3)

**PROD3553 StoPma GH 500**  
**EN 13813:2002**  
**EN 1504-2:2004**

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>fi</sub> (StoDok_20140624_2)
Reaction to fire	C <sub>fi</sub> - s1 as a component of StoCretec OS 8.16
Bond strength	≥ B 1.5
Water vapour permeability	Class III
Sound absorption coefficient α <sub>w</sub>	NPD
Water permeability	NPD
Abrasion resistance	≤ AR1
Adhesion strength by pull-off test	≥ 2.0 (1.5) N/mm <sup>2</sup> as a component of StoCretec OS 8.16
Abrasion resistance	Mass loss < 3000 mg as a component of StoCretec OS 8.16
Antistatic behaviour	NPD as a component of StoCretec OS 8.16
Chemical resistance	NPD
Release of corrosive substances	SR
Cross cut test	NPD as a component of StoCretec OS 8.16
Slip resistance	Class III as a component of StoCretec OS 8.16
Artificial weathering	NPD as a component of StoCretec OS 8.16
Linear shrinkage	NPD as a component of StoCretec OS 8.16
Impact sound insulation	NPD

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Thermal resistance	NPD
Resistance to temperature shock	NPD as a component of StoCretec OS 8.16
Capillary water absorption and water permeability	$w < 0.1 \text{ kg}/(\text{m}^2 \cdot \text{h} \cdot 0.5)$ as a component of StoCretec OS 8.16
Impact resistance	Class I as a component of StoCretec OS 8.16
Impact resistance	$\geq \text{IR}4$
Coefficient of thermal expansion	NPD as a component of StoCretec OS 8.16
Chemical resistance	NPD as a component of StoCretec OS 8.16
Resistance to severe chemical attack	decrease in hardness $< 50\%$ as a component of StoCretec OS 8.16
Dangerous substances	NPD as a component of StoCretec OS 8.16
Adhesion on wet concrete	NPD as a component of StoCretec OS 8.16
Thermal compatibility	$\geq 2.0 (1.5) \text{ N}/\text{mm}^2$ as a component of StoCretec OS 8.16
Compressive strength	NPD as a component of StoCretec OS 8.16
Carbon dioxide permeability	$s_d > 50 \text{ m}$ as a component of StoCretec OS 8.16
Crack bridging ability	NPD as a component of StoCretec OS 8.16