

Declaration of Performance for the construction product

StoPma DV 500

Unique identification code of the product-type	PROD3555 StoPma DV 500
Intended use/es	<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>
Manufacturer	
System/s of AVCP	<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>
Harmonised standard	<p>EN 1504-2:2004 EN 13813:2002</p>
Notified body/ies	<p>NB 0767 (system 3) NB 1119 (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	reaction to fire: E _{fl} (StoDok_20140624_2)
Declared performance/s	<p>as a component of StoCretec OS 8.16 consisting of the components: StoPma GH 500 StoPma RZ 500 StoPma DV 500 StoPma KAT 300</p>

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	E _{fl} (StoDok_20140624_2)	system 4 / EN 13813:2002
Reaction to fire	C _{fl} - s1 as a component of StoCretec OS 8.16	system 3 / EN 1504-2:2004
Water vapour permeability	Class III as a component of StoCretec OS 8.16	system 2+ / EN 1504-2:2004
Bond strength	≥ B 1.5	system 4 / EN 13813:2002
Sound absorption coefficient α _w	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 ² as a component of StoCretec OS 8.16	system 2+ / EN 1504-2:2004

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In accordance with EU-CPR no. 305/2011

Abrasion resistance	Mass loss < 3000 mg as a component of StoCretec OS 8.16	system 2+/ EN 1504-2:2004
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	system 2+/ EN 1504-2:2004
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:

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.



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

PROD3555 StoPma DV 500
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 _{fi} (StoDok_20140624_2)
Reaction to fire	C _{fi} - s1 as a component of StoCretec OS 8.16
Bond strength	≥ B 1.5
Water vapour permeability	Class III as a component of StoCretec OS 8.16
Sound absorption coefficient α _w	NPD
Water permeability	NPD
Abrasion resistance	≤ AR1
Adhesion strength by pull-off test	≥ 2.0 (1.5) N/mm ² 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