

# Declaration of Performance for the construction product StoPur AC 500 S

|  |  |
|--|--|
| <b>Unique identification code of the product-type</b>                              | PROD4724 StoPur AC 500 S   |
| <b>Intended use/es</b>   | Surface protection products - coating<br>Protection against ingress (1.3)<br>Moisture control (2.2)<br>Physical resistance (5.1)<br>Resistance to chemicals (6.1)                  |
| <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)<br>System 3 (for uses subject to reaction to fire regulations)   |
| <b>Harmonised standard</b>   | EN 1504-2:2004   |
| <b>Notified body/ies</b>   | NB 1508 (system 3)<br>NB 0921 (system 2+)  |
| <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 system:<br>StoCretec OS 10.21<br>consisting of the components:<br>StoPox GH 500<br>StoPur SC 300<br>StoPur AC 500 S<br>StoPox DV 502 |

| Essential characteristics                         | Performance  | Harmonised technical specification |
|---|--|------------------------------------|
| Reaction to fire                                  | B <sub>fl</sub> - s1 as a component of StoCretec OS 10.21              | system 3 / EN 1504-2:2004          |
| Water vapour permeability                         | Class III as a component of StoCretec OS 10.21                         | system 2+/ EN 1504-2:2004          |
| Adhesion strength by pull-off test                | ≥ 2.0 (1.5) N/mm <sup>2</sup> as a component of StoCretec OS 10.21     | system 2+/ EN 1504-2:2004          |
| Abrasion resistance                               | Mass loss < 3000 mg as a component of StoCretec OS 10.21               | system 2+/ EN 1504-2:2004          |
| Antistatic behaviour                              | NPD  | system 2+/ EN 1504-2:2004          |
| Cross cut test                                    | NPD  | system 2+/ EN 1504-2:2004          |
| Slip resistance                                   | NPD  | system 2+/ EN 1504-2:2004          |
| Artificial weathering                             | NPD  | 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 kg/(m <sup>2</sup> *h0.5) as a component of StoCretec OS 10.21 | system 2+/ EN 1504-2:2004          |

|                                  |  |                           |
|----------------------------------|--|---------------------------|
| Impact resistance                | Class I as a component of StoCretec OS 10.21   | 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            | NPD  | system 2+/ EN 1504-2:2004 |
| Compressive strength             | NPD  | system 2+/ EN 1504-2:2004 |
| Carbon dioxide permeability      | sd > 50 m as a component of StoCretec OS 10.21 | 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:

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

**10.03.2025**

Sto SE & Co. KGaA, Ehrenbachstr. 1, 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  
Ehrenbachstr. 1  
D-79780 Stühlingen

0103-0017-1

22

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

**PROD4724 StoPur AC 500 S**  
**EN 1504-2:2004**

Surface protection products - coating  
Protection against ingress (1.3)  
Moisture control (2.2)  
Physical resistance (5.1)  
Resistance to chemicals (6.1)

|   |  |
|---|--|
| Reaction to fire                                  | B <sub>fi</sub> - s1 as a component of StoCretec OS 10.21              |
| Water vapour permeability                         | Class III as a component of StoCretec OS 10.21                         |
| Adhesion strength by pull-off test                | ≥ 2.0 (1.5) N/mm <sup>2</sup> as a component of StoCretec OS 10.21     |
| Abrasion resistance                               | Mass loss < 3000 mg as a component of StoCretec OS 10.21               |
| Antistatic behaviour                              | NPD  |
| Cross cut test                                    | NPD  |
| Slip resistance                                   | NPD  |
| Artificial weathering                             | NPD  |
| Linear shrinkage                                  | NPD  |
| Resistance to temperature shock                   | NPD  |
| Capillary water absorption and water permeability | w < 0.1 kg/(m <sup>2</sup> *h0.5) as a component of StoCretec OS 10.21 |
| Impact resistance                                 | Class I as a component of StoCretec OS 10.21                           |
| Coefficient of thermal expansion                  | NPD  |
| Chemical resistance                               | NPD  |
| Dangerous substances                              | NPD  |
| Adhesion on wet concrete                          | NPD  |
| Thermal compatibility                             | NPD  |
| Compressive strength                              | NPD  |
| Carbon dioxide permeability                       | sd > 50 m as a component of StoCretec OS 10.21                         |
| Crack bridging ability                            | NPD  |

