

# Certificate

Tested quality



## Reaction to fire in accordance with EN 13501-1 StoVentec R

StoVentec R is a rainscreen cladding facade with a seamless rendered surface. It consists of the Carrier Board A (uncoated) classified to EN 13501-1 with A2-s1, d0 and a render system.

### Reaction to fire in accordance with EN 13501-1

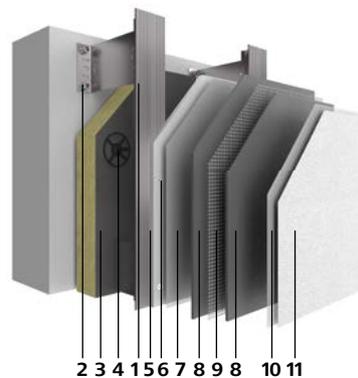
The reaction to fire of building products is tested in the Single Burning Item (SBI) test in accordance with EN 13823. The building products are subjected to a thermal test from a single burning item over a period of 20 minutes. They are subsequently assigned classifications A to D.



SBI fire test equipment in accordance with EN 13823

Source: mpa.uni-stuttgart.de

### System build-up of StoVentec R



- 1 — Sub-construction
- 2 — Anchorage
- 3 — Insulation
- 4 — Fixing
- 5 — Carrier board
- 6 — Carrier board fixing
- 7 — Priming coat
- 8 — Base coat
- 9 — Reinforcement
- 10 — Intermediate coat
- 11 — Finish

### Test results

**System:**  
StoVentec R

**Reaction to fire:**

**A2-s1, d0 in accordance with  
EN 13501-1**

### Confirmed by:

Classification report no.: PK1-01-16-007-E-3  
 Test institute: PAVUS, a.s. (NB 1391)  
 Issue date: 07/07/2021  
 Valid until: No expiry date



### Tested system build-up

Layer	Tested products/system build-up	Product/system alternatives covered by the classification report
Carrier board/substrate	Calcium silicate board	Carrier materials of Euroclass A1 or A2-s1, d0 Mineral substrates, e.g. concrete, masonry, etc.
Sub-construction	Stainless steel wall brackets and aluminium carrier profiles	Metal sub-construction
render carrier board	StoVentec Carrier Board A/12 mm	StoVentec Carrier Board S Thickness 12 mm Density approx. 500 kg/m <sup>3</sup>
Adhesion promoter (mineral base coats only)	Sto-Primer approx. 0.23 kg/m <sup>2</sup>	Sto-Primer QS up to approx. 0.23 kg/m <sup>2</sup>
base coat	StoLevell FT (approx. 6.0 kg/m <sup>2</sup> , d = 3–5 mm) StoArmat Classic plus (up to a thickness of 3 mm)	StoLevell Uni (approx. 6.0 kg/m <sup>2</sup> , d = 3–5 mm) StoArmat Classic plus F/M/G StoArmat Classic S1 (up to a thickness of 3 mm)
Glass fibre mesh	Sto-Glass Fibre Mesh	Sto-Glass Fibre Mesh F
adhesion promoter	StoPrep QS approx. 0.27 kg/m <sup>2</sup>	Adhesion promoter up to approx. 0.27 kg/m <sup>2</sup> Sto-Primer StoPrep Miral
finishing render	StoSilco QS MP approx. 4.13 kg/m <sup>2</sup>	Organic Sto finishing renders up to a grain size of 3 mm or 4.13 kg/m <sup>2</sup> Sto-Ispolit K/R Stolit® K/R/MP/Effect Stolit® Milano Stolit® K1.5 + Stolit® Milano StoLotusan® K/MP Sto-Silkolit K/R StoSilco K/R/MP Stolit® QS K/R/MP StoSilco QS K/R StoSil K/R/MP StoMiral K/R/MP StoMiral Nivell F
Paint coat	StoColor X-black 2 coats approx. 0.48 kg/m <sup>2</sup>	2 paint coats up to approx. 0.48 kg/m <sup>2</sup> StoColor Silco/G StoColor Jumbosil StoColor Lotusan/G 2 paint coats up to approx. 0.3 kg/m <sup>2</sup> StoColor Dryonic®/G

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**A. Schellenberg**  
Technical Support  
Approvals and Testing Procedures

The test was carried out in accordance with the requirements of DIN EN 13501-1. The corresponding technical documentation is available. We certify this with our signature.

This certificate is the product manufacturer's Declaration of Conformity in accordance with DIN EN ISO/IEC 17050-1.

**Sto SE & Co. KGaA**

CERT 36|07.2021  
Stühlingen, 27 July 2021

This is a translation of the original German version. Only the original version is legally binding.