

Declaration of Performance

LE/DoP-No. OC0645B

1. Identification code of the product type: OTTOCOLL[®] S 645 + OTTOCURE S-CA 2375
2. Designated use: See ETA-19/0692/ ETAG 002 part 1, March 2012 edition: Structural adhesive for use in glass construction kits (SSGK) for vertical and horizontal structures.
The structural adhesive is only one component of the kit.
3. Manufacturer: Hermann Otto GmbH
Krankenhausstraße 14
DE-83413 Fridolfing
4. System for evaluating reliability of performance: System 1 for SSGS applications type II and IV
System 2+ for SSGS applications type I and III
5. European Assessment Document: Guideline for European technical approval for “Bonded Glass Structures”, ETAG 002 part 1: “Supported and unsupported systems” March 2012 edition, used as a European Assessment Document (EAD).
- European Technical Assessment: ETA-19/0692 of 07.07.2022
- Technical Assessment Body: Austrian Institute for Construction Engineering (OIB)
- Notified body: ift Rosenheim GmbH (NB-no. 0757)
6. Important characteristics:

Important characteristics	Performance	European standard / European directive / European Assessment Document
BWR 2: Fire behaviour	Class E	in accordance with EN 13501-1
BWR 3: Hazardous substances	assessed (ETA 19/0692, chapter 3.2.1)	in accordance with Council Directive 76/769 / EEC and its amendments
BWR 4: Safety of use	ETA 19/0692 Chapter 3.3.1	in accordance with chapter 5.1.4 of the ETAG 002 part 1 (03/2012)
Features and characteristics		
Permitted tensile stress σ_{of}	0.20 MPa	
Permitted dynamic shear stress τ_{of}	0.17 MPa	
Permitted static shear stress τ_{∞}	0.010 Mpa	
Modulus of elasticity in tension or compression E	2.74 MPa	
Shear modulus of elasticity tangential to G	0.91 MPa	
Modulus of elasticity in tension at 12.5% elongation $K_{12.5}$	2.72 MPa	
Tear resistance	Category 1 (ETAG 002)	
Processing time at 23 °C 50 % RH	approx. 20 Min.	
Adhesion free time at 23 °C 50 % RH	≤ 180 Min.	
Minimum time before transporting the glued unit	7 days	
Specific mass	$V_{mean\ value} = 1.36\ kg/l \pm 0.025$	
Hardness grade A	≥ 40 (mean value 45)	
Thermogravimetric analysis	Curve is saved in the ETA technical file	
Earlier transport is possible if the H-samples tested have the following result: Break ≥90% cohesion and breaking stress ≥ 0.7 MPa		
BWR 6: Energy saving and thermal insulation	NPD / $\lambda_{D,10} = 0.36\ W / (mK)$	in accordance EN ISO 10456:2009-12
BWR 7: Sustainable use of natural resources	NPD	

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7. The performance of the above product corresponds to the declared performance/services.

The above-mentioned manufacturer is solely responsible for drawing up the declaration of performance in accordance with regulation (EU) No 305/2011.

Fridolfing, 07.07.2022



Nicholas Auer
Manager
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Frank Bechmann
Chartered chemical engineer
Application technology and development