

Declaration of Performance

according to Annex III of Regulation (EU) Nr. 305/2011
LE/DoP-Nr. EGO3660314

1. Identification code of the product type: **EGOSILICON 460**
2. Ident. no.: Batch number: see product packaging
3. Designated use: 1 component silicone sealant, neutral curing
Sealant for facade elements for interior and exterior joints
(suitable for use in cold climate)
Type: F 25 LM EXT-INT-CC
Sealant for glazing
(suitable for use in cold climate)
Type: G 25 LM CC
Sealant for sanitary joints
Type: XS 1
4. Manufacturer: EGO Dichtstoffwerke GmbH & Co. Betriebs KG
Kaltenbrunn 27
82467 Garmisch-Partenkirchen
Germany
5. Authorised representative: ./.
6. System for evaluating reliability of performance: 3 plus 3
7. Harmonized standard: EN 15651-1:2012-12
EN 15651-2:2012-12
EN 15651-3:2012-12
8. Notified body: In its capacity as a notified test laboratory in system 3, SKZ Würzburg, NB-No. 1213 carried out the initial tests and issued the test and classification reports.
9. Declared Performance:
Conditioning: Method A
Substrate: Glass without primer
Anodised aluminium without primer

Type: F 25 LM EXT-INT-CC

Essential characteristics	Performance	Test standard	Harmonized technical specification
Reaction to fire	Class E	EN 13238 (EN 13501)	EN 15651-1:2012
Release of chemicals dangerous to the environment and health	NPD		
Water tightness and air tightness:			
Resistance to flow	≤ 2 mm	EN ISO 7390	
Loss of volume	≤ 10 %	EN ISO 10563	
Tensile properties (i.e. elongation) at maintained extension after water immersion	NF	EN ISO 10590	
Tensile properties (i.e. secant modulus) for low modulus sealants at -30°C	≤ 0,9 MPa	EN ISO 8339	
Tensile properties (i.e. at maintained extension) at -30°C	NF	EN ISO 8340	
Durability	passed	EN ISO 8339 EN ISO 8340 EN ISO 9047 EN ISO 10590	

NPD = No Performance Determined.

NF = No Failure according to EN ISO 11600.

Type: G 25 LM CC

Essential characteristics	Performance	Test standard	Harmonized technical specification
Reaction to fire	Class E	EN 13238 (EN 13501)	EN 15651-2:2012
Release of chemicals dangerous to the environment and health	NPD		
Water tightness and air tightness:			
Resistance to flow	≤ 2 mm	EN ISO 7390	
Loss of volume	≤ 10 %	EN ISO 10563	
Adhesion/cohesion properties after exposure to heat water and artificial light	NF	EN ISO 11431	
Elastic recovery	≥ 70 %	EN ISO 7389	
Tensile properties (i.e. secant modulus) for low	≤ 0,9 MPa	EN ISO 8339	

Essential characteristics	Performance	Test standard	Harmonized technical specification
modulus sealants at -30°C			EN 15651-2:2012
Tensile properties (i.e. at maintained extension) at -30°C	NF	EN ISO 8340	
Durability	passed	EN ISO 8339 EN ISO 8340 EN ISO 9047 EN ISO 10590	

NPD = No Performance Determined.

NF = No Failure according to EN ISO 11600.

Type: XS1

Essential characteristics	Performance	Test standard	Harmonized technical specification
Reaction to fire	Class E	EN 13238 (EN 13501)	EN 15651-3:2012
Release of chemicals dangerous to the environment and health	NPD		
Water tightness and air tightness:			
Resistance to flow	≤ 2 mm	EN ISO 7390	
Loss of volume	≤ 10 %	EN ISO 10563	
Tensile properties (i.e. elongation) at maintained extension after water immersion	NF	EN ISO 10590	
Microbiological growth	0	ISO 846	
Durability	passed	ISO 846 EN ISO 8339 EN ISO 8340 EN ISO 9047 EN ISO 10590	

NPD = No Performance Determined.

NF = No Failure according to EN ISO 11600.



10. The performance of the product identified in items No. 1 and 2 complies with the declared performance in item No. 9.

This declaration of performance (DoP) is issued under the sole responsibility of the manufacturer identified in item No. 4.

Signed for and on behalf of the manufacturer by:

Garmisch Partenkirchen, 20 May 2020



Petra Goldmann
Management

The information given in our declaration of performance is based on results obtained under laboratory test conditions. Possible deviations are due to specific conditions in practice that cannot be mapped in the laboratory. Suitable control tests under practical conditions are therefore recommended. Our technical data sheets provide specific material properties as well as advice and recommendations on application. In case of deviations from the application parameters, e. g. other substrates, please contact our technical department who will provide application-related advice. For more information about the safe storage, handling and disposal of the **EGO** products as well as physical, ecological and other safety-related data please refer to our safety data sheets. All data sheets are available on our website www.ego.de or on request.