DECLARATION OF PERFORMANCE

ACCORDING TO ANNEX III OF THE REGULATION (EU) N° 305/2011

TREMCO Lasting Performance

No. SG200 - 20160510

1. **Unique identification code of the product-type:** SG200 PROGLAZE II

2. **Intended use/es:** The structural sealant PROGLAZE II/TREMCO SG 200 is silicone based sealants to be used in structural sealant glazing kit or system (SSGS) as defined in ETAG 002 for use as façade, roof glazing or part of it.

3. Manufacturer:

Component A: tremco illbruck Dış Tic. A.Ş., Ömerli Mah., Borahan Sok. No:10, Arnavutköy, 34555 İstanbul, Turkey
Component B: tremco illbruck Coatings Ltd, Coupland Rd, Hindley Green, Wigan WN2 4HT, UK

5. System/s of AVCP: System 1

6b. European Assessment Document: ETAG 002 Edition 2000

European Technical Assessment: ETA 05/0006 (02-07-2015)

Technical Assessment Body: Centre Scientifique et Technique du Bâtiment (CSTB)

Notified body/ies: Notified Body: 0679; Centre Scientifique et Technique du Bâtiment (CSTB)

7. Declared performance/s:

BWR1	Mechanical Resistance and Stability - Not applicable
BWR2	Reaction to Fire: NPD (no performance determined)
BWR3	Hazardous substances: refer to MSDS
BWR4	Properties and Characteristics determined by testing according to part 5.1.4 of ETAG 002

Characteristic Value	R_{u5} (23°C)	1.04 MPa
Design stress in tension	σ_{des} =	0.14 MPa
Design stress in dynamic shear	τ_{des} =	0.16 MPa
Elastic modulus in tension or compression tangential to the origin	E_0 =	0.98 MPa
Elastic modulus in shear tangential to the origin	G_0 =	0.32 MPa
Secant stiffness in tension at 12.5 % elongation	$K_{12.5}$ =	1.80 MPa
Design shear stress under permanent load	Γ_∞ =	0.007 MPa
Resistance to tearing		0.75 (use category 1)
Colour		Black

BWR5	Protection against noise – not relevant
BWR6	Energy, Economy and Heat Retention Determination of thermal insulation and susceptibility to condensation: calculation method. As a function of the design and the glazing chosen for the SSGS kits, thermal modelling can be undertaken with various computer software packages. To use the results of these programs, it is necessary to ensure that they are at least two-dimensional and cover all the required parameters. The generally accepted value of the thermal conductivity (λ-value) of the structural sealant to be used in thermal modelling for assessment of the thermal performance is 0,35 W/(m.K) (EN ISO 10456 – 06/2008).
BWR7	Sustainable use of natural resources – no performance determined

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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:

Mike Liptrot, Business Unit Leader Sealants and Coatings

At Wigan on the 15th of June 2016

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Annex:
According to Art. 6 (5) of the Regulation (EU) No. 305/2011 a Safety Data sheet according Regulation (EU) No. 1907/2006 (REACH), Annex II is available on the website to support this Declaration of Performance.