

Declaration of Performance**LE/DoP-No. MB2028/002-1119**

- | | |
|--|--|
| 1. Product name
2. Type of product
3. Application

4. Manufacturer

5. Representative
6. System of assessment of constancy of performance
7. Harmonised Standard

8. Notified body

9. Essential characteristics | Byggfog ESS 1 semitransparent
1 component MS hybrid polymer
Sealant for the application in facades, glazing,
sanitary and wet area joint and pedestrian walkways
Type F EXT-INT 20HM
S XS1
PW EXT-INT CC 20HM
Conditioning: Method B
Substrate: anodised aluminium and grout M1
Pre-treatment with Adhesion Promoter V40
(aluminium) and V17 (grout M1)
merz+benteli ag
Freiburgstrasse 616
CH-3172 Niederwangen
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3 plus 3
EN 15651-1: 2012-12, EN 15651-2: 2012-12,
EN 15651-3: 2012-12, EN 15651-4: 2012-12
ift Rosenheim GmbH, NB 0757, as notified
laboratory in system 3, performed the initial test and
issued the test report. |
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Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	Class E	EN 15651-1: 2012-12, EN 15651-2: 2012-12, EN 15651-3: 2012-12, EN 15651-4: 2012-12
Release of chemicals dangerous to the environment and health	evaluated	
Water tightness and air tightness		
a) Resistance to flow	≤ 3 mm	
b) Loss of volume	≤ 10 %	
c) Tensile properties at maintained extension after water immersion	NF	
d) Tensile properties at maintained extension	NF	
e) Tensile properties at maintained extension at -30°C	NF	
f) Tensile properties (secant modulus / elongation at break)	> 0.4 MPa	
g) Tensile properties (secant modulus) at -30°C	NPD	
h) Adhesion/cohesion properties at maintained extension after 28 days water immersion	NF	
i) Adhesion/cohesion properties at maintained extension after 28 days salt water immersion	NF	
j) Microbiological growth	1	
k) Tear resistance	NF	
l) Durability	pass	

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:



Fritz Burkhardt
Head of Research & Development



Simon Bienz
Chief Marketing & Sales Officer

Niederwangen, 25 November 2022



0757

merz+benteli ag
Freiburgstrasse 616
CH-3172 Niederwangen
Schweiz

18

MB2028/002-1119

EN 15651-1
EN 15651-2
EN 15651-3
EN 15651-4

1 component MS hybrid polymer
for the application in facades, glazing, sanitary and wet area joint
and pedestrian walkways

- Type: F EXT-INT / S / PW EXT-INT CC
- Conditioning: Method B
- Substrate: anodised aluminium and grout M1
- Pre-treatment: Adhesion Promoter V40 (aluminium) and V17 (grout M1)

Reaction to fire	Class E
Release of chemicals dangerous to the environment and health	evaluated
Water tightness and air tightness	
a) Resistance to flow	$\leq 3 \text{ mm}$
b) Loss of volume	$\leq 10 \%$
c) Tensile properties at maintained extension after water immersion	NF
d) Tensile properties at maintained extension	NF
e) Tensile properties at maintained extension at - 30°C	NF
f) Tensile properties (secant modulus / elongation at break)	$> 0.4 \text{ MPa}$
g) Tensile properties (i.e. secant modulus) at -30°C	NPD
h) Adhesion/cohesion properties at maintained extension after 28 days water immersion	NF
i) Adhesion/cohesion properties at maintained extension after 28 days salt water immersion	NF
j) Microbiological growth	1
k) Tear resistance	NF
l) Durability	pass



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EN 15651-1, -2, -3, -4
F EXT-INT / S / PW EXT-INT CC