

BladeRep® Profile Filler 3

Technical Data Sheet:
491-55 / BR3078

1. Introduction ALEXIT® BladeRep® Profile Filler 3 is a solvent free, two-component polyurethane filler designed to be used for filling and fairing on GRP substrates. This non-porous filler cures to an easily sandable surface.

2. Range of application ALEXIT® BladeRep® Profile Filler 3 is designed for filling and repairing of non-structural imperfections on wind turbine rotor blades.

3. Color Grey

4. Coverage Coverage of ALEXIT® BladeRep® Profile Filler 3 depends on the depth of filling required as well as on the area of surface to be faired.

	m ² /kg	sq.ft. / kg
Theoretical coverage at 500µm / 20 mil approx. of mixed material	1	10

5. Substrate pre-treatment Sand the surface with 120 grit paper prior to applying ALEXIT® BladeRep® Profile Filler 3. The surface must be clean, dry and free from dust, grease, oil and other contaminants. ALEXIT® BladeRep® Profile Filler 3 may be applied over any properly prepared surface.

6. Trade names/part no.

Base material	BR3078	ALEXIT® BladeRep® Profile Filler 3
Hardener	BR30H0	ALEXIT® BladeRep® Hardener 3

**7. Mixing ratio
For mid-size and
large units:**

Mix by Volume:	4 Parts 1 Part	ALEXIT® BladeRep® Profile Filler 3 ALEXIT® BladeRep® Hardener 3	BR3078 BR30H0
Example:	4:1		
Mix by Weight:	6 Parts 1 Part	ALEXIT® BladeRep® Profile Filler 3 ALEXIT® BladeRep® Hardener 3	BR3078 BR30H0
Example:	6:1		

For all package sizes: Mix thoroughly for proper cure!

For Professional Use Only

Page 1 of 2

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8. Application

Application conditions: 15-35 °C (60-95 °F) and 20-85 % relative humidity. The minimum application condition should be 3 °C (5.4 °F) above dew point.

If applying the product in conditions which are not listed above, please consult your ALEXIT® BladeRep® representative.

Application process: Apply ALEXIT® BladeRep® Profile Filler 3 as needed. Do not exceed 3/8" (5 mm) film thickness with this product. After the surface is faired and smooth, you may proceed to the ALEXIT® BladeRep® LEP 9, 10 or Topcoat 12. If the surface has imperfections, such as pin holes, use ALEXIT® BladeRep® Filler 5, 6 or 7 to achieve a defect-free smooth surface.

9. Pot life 5 - 10 min at 23 °C (73 °F)

10. Drying time

	15 °C (60 °F)	23 °C (73 °F)	30 °C (86 °F)
Sandable manually after	4 h	2 h	1.5 h
Sandable mechanically after	5 h	3 h	2 h

11. Packaging

ALEXIT® BladeRep® Profile Filler 3 20 kg and 6 kg
ALEXIT® BladeRep® Hardener 3 6 kg and 1 kg

12. Storage

Store in original, unopened containers at a temperature of 5 – 35 °C (41 – 95 °F) (in acc. with DIN EN 3840:2007).



Approved by DNV in combination with
ALEXIT® BladeRep® Profile Filler 3, Pore Filler 6, LEP 9 and Topcoat 12
(TA-GL-II-2-05377-0)

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Page 2 of 2

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