



BladeRep® Profile Filler 5

Technical Data Sheet:
491-5F / BR5F66

1. Introduction ALEXIT® BladeRep® Profile Filler 5 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 5 is designed for filling and repairing of non-structural imperfections on wind turbine rotor blades.

3. Color Green

4. Coverage Coverage of ALEXIT® BladeRep® Profile Filler 5 depends on the depth of filling required as well as on the area of surface to be faired.

	m ² /kg	sq.ft. / kg	m ² /kit*	sq.ft./ kit*
Theoretical coverage at 500 µm / 20 mil approx. of mixed material	1	10	0.37	3

*Kit is available in separate units of 0.25 kg base and 0.1 kg hardener

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

6. Trade names/part no.

Base material	BR5F66	ALEXIT® BladeRep® Profile Filler 5
Hardener	BR5FH2	ALEXIT® BladeRep® Hardener 5

7. Mixing ratio for mid-size and large units:

Mix by Volume:	100 Parts	ALEXIT® BladeRep® Profile Filler 5	BR5F66
	43 Parts	ALEXIT® BladeRep® Hardener 5	BR5FH2
Example:	100:43		
Mix by Weight:	4 Parts	ALEXIT® BladeRep® Profile Filler 5	BR5F66
	1 Part	ALEXIT® BladeRep® Hardener 5	BR5FH2
Example:	4:1		

For small containers: Empty entire hardener into base material and mix thoroughly. Small containers are pre-measured for the proper mix ratios.

For all package sizes: Mix thoroughly for proper cure!



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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 5 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 ALEXIT® BladeRep® LEP 9, 10 or Topcoat 12. If the surface has imperfections, such as pin holes, use a final thin layer BladeRep Pore Filler 5 scraped to "0" to achieve a defect-free smooth surface.

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

10. Drying time

Temperature:	15 °C (60 °F)	23 °C (73 °F)	30 °C (86 °F)
Sandable after	2 h	1 h	0.5 h

11. Packaging

ALEXIT® BladeRep® Profile Filler 5	20 kg, 4 kg, and 0.25 kg*
ALEXIT® BladeRep® Hardener 5	5 kg, 1 kg, and 0.1 kg*

***Small containers are premeasured for proper mixing ratio.**

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® LEP 10 and Topcoat 12 (TA-DNVGL-CP-0424-07729-0)