

# 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

ALEXIT® BladeRep® Profile Filler 3 is available in 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 <sup>2</sup> /kg	sq.ft. / kg	m <sup>2</sup> /kit*	sq.ft./ kit*	sq.ft./ gal
<b>Theoretical coverage at 500µm / 20 mil approx. of mixed material</b>	<b>1</b>	<b>10</b>	<b>0.37</b>	<b>3</b>	<b>65</b>

\* Kit is available in separate units of 0.3 kg base and 0.08 kg hardener

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

### For small containers:

Empty entire hardener into base material and mix thoroughly. Small containers are premeasured for the proper mix ratios.

### For all package sizes:

Mix thoroughly for proper cure!

**For Professional Use Only**

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The information contained in this data sheet is based on our level of research and development. Revisal by the user with regard to the intended aim is necessary due to the diverse processing and application possibilities.

[www.bladerep.com](http://www.bladerep.com)

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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® Pore Filler 6 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, 6 kg, and 0.3 kg\*, 1 US Gallon  
ALEXIT® BladeRep® Hardener 3 6 kg, 1 kg, and 0.08 kg\*, 1 US Quart

**\*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® Profile Filler 3, Pore Filler 6, LEP 9 and Topcoat 12 (TA-GL-II-2-05377-0)