

BladeRep Profile Filler 7B BladeRep Profile Filler 7R

Technical Data Sheet:
 591-7B / BR7B53
 591-7R / BR7R31

1. Introduction ALEXIT® BladeRep Profile Filler 7B and ALEXIT® BladeRep Profile Filler 7R are solvent free, two-component polyurethane fillers designed for filling and fairing on GRP substrates. These non-porous fillers cure to an easily sandable surface.

2. Range of application For filling and repair applications of non-structural imperfections on wind turbine rotor blades.

3. Color
 ALEXIT® BladeRep Profile Filler 7B - Blue
 ALEXIT® BladeRep Profile Filler 7R - Red

4. Coverage Coverage of ALEXIT® BladeRep Profile Filler 7B and ALEXIT® BladeRep Profile Filler 7R depends on the depth of filling required as well as on the area of surface to be faired.

	m ² / cartridge	sq.ft./ cartridge
Theoretical coverage at 1 mm / 40 mil approx. of mixed material	0,4	4,3

*One cartridge contains 400ml (13,53 oz).

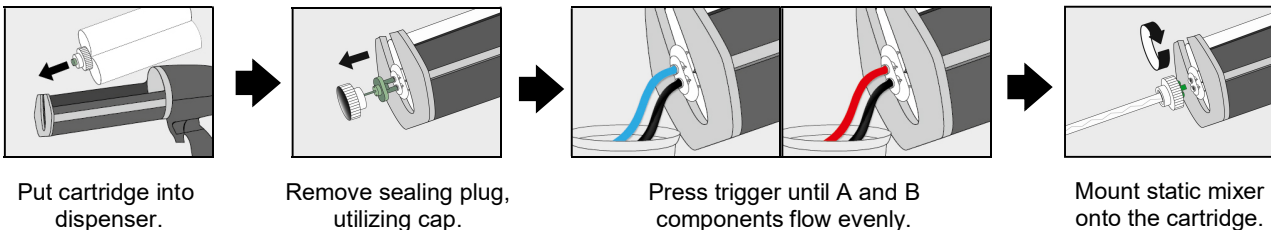
5. Pre-treatment Sand the surface with 120 grit paper prior to applying ALEXIT® BladeRep Profile Filler 7B and ALEXIT® BladeRep Profile Filler 7R. The surface must be clean, dry and free from dust, grease, oil and other contaminants. ALEXIT® BladeRep Profile Filler 7B and ALEXIT® BladeRep Profile Filler 7R may be applied over any properly prepared surface.

6. Trade names/part no.
 ALEXIT® BR7B53 BladeRep Profile Filler 7B BR7B53
 ALEXIT® BR7R31 BladeRep Profile Filler 7R BR7R31

7. Mixing Mixing ratio defined by cartridge (processed through a static mixer)

8. Equipment needed
 - Cartridge
 - Static Mixer Reference: Sulzer MFH 10-24 (supplied separately)
 - Dispenser: Sulzer Mixpac DP2X 400-01-50-01(pneumatic)
 Cox ElectraFlow Dual Ultra 400 MR 2:1 (battery driven)
 or equivalent with 2:1 mixing ratio

9. Preparation



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

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10. Application

Application conditions:

ALEXIT® BladeRep Profile Filler 7B 5-20°C (41-68 °F) and 20-85% relative humidity
 ALEXIT® BladeRep Profile Filler 7R 15-40°C (59-104 °F) and 20-85% relative humidity
 The minimum application condition should be 3 °C (5.4 °F) above dew point.

Application process:

Apply ALEXIT® BladeRep Profile Filler 7B or ALEXIT® BladeRep Profile Filler 7R as needed. Do not exceed 2mm (1/16") film thickness per layer depending on the ambient conditions. After the surface is faired and smooth, you may proceed to apply ALEXIT® BladeRep® LEP 10 or Topcoat 12.

11. Pot life

ALEXIT® BladeRep Profile Filler 7B approx. 4 min at 15 °C (59 °F)
 ALEXIT® BladeRep Profile Filler 7R approx. 5 min at 30 °C (86 °F)

12. Drying time

ALEXIT® BladeRep Profile Filler 7B - Blue

Drying Conditions*	5 °C (41°F)	15 °C (59°F)	20 °C (68°F)	-
Sandable after approx.	90 Min.	35 Min.	15 Min.	-

ALEXIT® BladeRep Profile Filler 7R - Red

Drying Conditions*	15 °C (59°F)	25 °C (77°F)	30 °C (86°F)	40 °C (104°F)
Sandable after approx.	60 Min.	30 Min.	15 Min.	6 Min.

*approx. 50% rel. humidity

13. Overcoating time

ALEXIT® BladeRep Profile Filler 7B & 7R can be applied wet in wet with themselves without prior sanding, until the respective drying times are reached (refer to "12. Drying times").

14. Packaging

ALEXIT® BladeRep Profile Filler 7B 12x 400ml (13,53 oz) cartridge
 ALEXIT® BladeRep Profile Filler 7R 12x 400ml (13,53 oz) cartridge
 Supplied separately: static mixer

15. Storage

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