

DERBITECH® FLEX

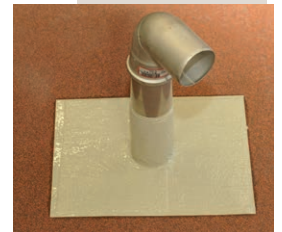
The liquid applied waterproofing for details on flat roofs, balconies, roof terraces, etc.

Description

- ▶ DERBITECH FLEX is a 2-component, pigmented waterproofing resin with a polymethyl methacrylate (PMMA) base, used for details on flat roofs, balconies, roof terraces and covered walks as well as parking decks.
- ▶ The cured DERBITECH FLEX reinforced with DERBITECH FLEX Fleece, (110 g/m²) has the following advantages.

Advantages

- ▶ Seamless
- ▶ Flexible in low temperatures
- ▶ Vapour-permeable
- ▶ Fast-curing
- ▶ Extremely weather-resistant (UV, IR, etc.)
- ▶ Excellent adhesion properties on a multitude of substrates
- ▶ Elastic and crack-bridging
- ▶ Mechanically resistant and wear-resistant
- ▶ Root-resistant according to FLL test methods
- ▶ Resistant to media generally present in air and rainwater
- ▶ Resistant to hydrolysis
- ▶ Resistant to sparks and radiant heat in compliance with DIN EN 13501-5: B_{ROOF} (t1, t2, t3)
- ▶ Fire classification to DIN EN 13501-1: Class E
- ▶ European Technical Approval according to ETAG 005 with CE mark



Consumption (smooth even surface)

At least 3 kg/m²

Conditions for use

DERBITECH FLEX can be applied in substrate temperatures of between -5°C and +50°C and ambient temperatures of between -5°C and +40°C.
In enclosed spaces, allow for mechanical ventilation of at least 7 air changes per hour.

Mixing Instruction

Temperature	-5 °C – 5 °C	5 °C – 15 °C	5 °C – 15 °C	15 °C – 40 °C
Derbitech Flex Resin / Primer	10 kg	10 kg	10 kg	10 kg
Setting	(Winter)	(Winter)	(Summer)	(Summer)
Derbitech Flex Catalyst	0,40 kg	0,40 kg	0,40 kg	0,20 kg
Pot life	± 20 min.	± 15 min.	± 15 min.	± 15 min.

Drying time (at +20°C)

Rainproof after: ± 30 min.
Ready for foot traffic / overlaid: ± 45 min.

Storage and transport

Can be stored unopened and unmixed for ± 1 year in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site



Colour
(approx. RAL)
7035 Light grey

CERTIFIED
B_{ROOF} (t1, t2, t3)

Instructions for use

Application method and table of compatibility : see product brochure

Substrate pre-treatment

- Absorbent substrates (e.g. concrete, asphalt) must be ground with a diamond grinder, in order to ensure the adhesive property and soundness of substrate.
- Prior to coating the surface, metals or PVC are degreased with Derbitech Flex Cleaner and then roughened.
- If working on larger area, this is carried out using a grinding disc and smaller areas can be roughened using sandpaper.

Substrate Requirements

- The suitability of the substrate must always be checked on a case-by-case basis. The substrate must be clean, dry and free of cement bloom, dust, oil, grease and other adhesion-reducing dirt.

Conditions for use

- Derbitech Flex can be used within the temperature ranges stipulated on the container label and in the product information.
- Always wear a face mask when using Derbitech Flex products containing solvents or monomers in enclosed spaces, or when air limit values are exceeded (see safety data sheet).
- Always ensure forced ventilation with a minimum 7-fold air exchange per hour.

What to do if work is interrupted

- If work is interrupted for more than 12 hours, and if soiled by rain, the intersection must be activated with Derbitech Flex Cleaner.
- Airing time: at least 20 min. Transitions to subsequent waterproofing must overlap by at least 10 cm.

Processing and volumes

- Primer: the primer is applied with radiator roller in a thin layer. Volume: $\pm 0,40 \text{ kg/m}^2$. Prime wall surfaces prior to floor surfaces. Primers that are not contained in the sets must be ordered separately.
- Waterproofing: Once the resin mixture is ready for use, apply a thick coat with a radiator roller ($\pm 2 \text{ kg/m}^2$) and spread evenly. Lay the cut to length special fleece on the freshly applied area, making sure there are no air bubbles. Then cover the fleece with another layer of Derbitech Flex $\pm 1 \text{ kg/m}^2$.



APPLICATION KIT

MATERIALS

- 3 x 3,75 kg DERBITECH FLEX Resin
- 1 x 3,75 kg DERBITECH FLEX Primer
- 4 x 0,10 kg DERBITECH FLEX Catalyst
- 1 litre DERBITECH FLEX Cleaner
- 15 m DERBITECH FLEX Fleece, 26 cm wide

TOOLS

- 1 plastic bucket with lid
- 5 sticks for stirring
- 5 heated rollers + holder
- 1 pair of scissors
- 1 roll of adhesive tape
- 1 pair of rubber gloves
- 2 cleaning cloths