TECHNICAL DATA SHEET

HYDROBLOC
BUILT ON PERFORMANCE

INDUFLOOR-EPF

2-Component Epoxy Universal Adhesive (Filler And Grout)

Product Description:

INDUFLOOR-EPF is a high-performance, two-component epoxy resin adhesive, filler, and grout designed for versatile use across floors, walls, and overhead applications. With its thixotropic, non-sag consistency, it is ideal for bonding a wide range of substrates including concrete, metals, ceramics, and plastics. The product delivers excellent tensile adhesion along with high compressive and flexural strength, ensuring durable and long-lasting performance even in demanding environments.

Key Features & Benefits:

- Strong, reliable adhesion with excellent tensile bond strength
- High compressive and flexural strength for heavy-duty structural applications
- Resistant to aggressive chemicals, including diluted acids and alkalis
- Suitable for damp substrates, reducing surface preparation limitations
- Shrinkage-free curing for long-term dimensional stability
- Good flexibility at low temperatures, minimizing risk of cracking
- Solvent-free formulation for safer handling and environmental compliance
- Thixotropic, non-sag consistency—ideal for vertical and overhead applications
- Versatile use as adhesive, filler, grout, and repair mortar

Areas Of Application:

INDUFLOOR - EPF is a thixotropic adhesive and smoothing compound and is for use on various substrates on floors, walls and overhead areas. INDUFLOOR - EPF can be used as an adhesive or smoothing compound for:

- Concrete slabs
- Screed boards
- Pre-cast concrete sections (e.g., Shaft rings)
- Bonding metals, ceramics and plastics
- Adhesive for ASO®-Tape-3000

Also suitable as a waterproof grout:

- As a smoothing compound for static cracks.
- As a rapid repair mortar for concrete areas.

Surface Preparation:

The substrate to be treated must:

- Be dry, load bearing and have a good key
- Be free from separating and adhesion inhibiting substances, protected from reverse moisture penetration.

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PATSA
Protective Solution

- Dependent on the condition of the substrate, use suitable methods of preparation e.g., Shot blasting, scabbling, planning, vacuuming or grit blasting.
- Steel surfaces must be treated to white metal (S21/2)

Appropriate to the substrate, the following additional criteria need to be fulfilled:

Cement-based surfaces:

Quality of the concrete	: min. C 20/25
Quality of the screed	: min. EN 13813 CT-C25-F4
Age	: min. 28 days
Tensile adhesion strength	: = 1.5 N/mm2
Residual moisture	: < 6% (CM

Mixing Instructions:

Component A (resin) and component B (hardener) are supplied at a pre-determined mixing ratio. Add component B to component A. Ensure that the hardener fully drains from its container. Blending of both components is to be achieved with a suitable stirrer at approx. 300 rpm (e.g., drill with paddle). In the process it is important to stir from the sides and base so that the hardener is evenly distributed. Stir for long enough to achieve a homogenous mix (free from streaks): mix time approx. 3 minutes. The material temperature should be approx. +15°C during the mixing process. Do not use material from the supplied packaging. Decant the mass into a clean vessel and thoroughly stir through again. Avoid dragging air into the mix. Allow the mixed material to stand approx. 5 minutes before pouring so that any entrained air can escape.

Application Guidelines:

- INDUFLOOR-EPF is applied to the prepared substrate with a gauging trowel, smooth or notched trowel and evenly spread over the substrate applicable for the purpose.
- When bonding concrete units (shaft rings), remove excess adhesive with a trowel/spatula after each section has been positioned. As an anchoring grout, INDUFLOOR - EPF is installed into the prepared opening. Pay particular attention andcarefully apply and compact to avoid voids.

Coverage/ Consumption:

- Minimum adhesive bed thickness: 2.0 mm.
- Material consumption: approx. 1.80 kg/m2 per mm thickness.

Curing & Protection:

Fully cured after min. 16 hrs, max. 24 hrs at +23°C.

- Higher temperatures shorten the working life. Lower temperatures extend the working life and setting time. Material consumption also increases at lower temperatures.
- The bond between the individual coats can be heavily impeded through the influence of moisture or contamination between successive applications.
- If there are long periods between coatings or if surfaces already treated with liquid resins are to be re-coated after a long period, then thoroughly clean and abrade the surface followed by a completely new pore-free coat. It is not sufficient simply to overcoat.
- Mortar systems must be protected for approx. 4–6 hours from dampness after application
- Dampness produces a white discoloration and/or stickiness on the surface and can impede the cure. Discolored and/or sticky surfaces should be removed, e.g., by abrading and renewing.

Packaging:

INDUFLOOR-EPF comes in 3kg and 12Kg packs at predetermined mixing ratio.

Storage & Shelf life:

Both components (A and B) can be stored for a minimum of 24 months in the unopened container. Keep dry and above 0°C. If INDUFLOOR –EPF is stored below +10°C, component A can become “hard”. This condition is reversible by storing component A for 72 hours at above +25°C to a maximum of +30°C. Afterwards component A can be used again.

Health & Safety:

Avoid skin and eye contact. Use gloves, goggles, and protective clothing. Ensure adequate ventilation during mixing and application.
Refer to the Safety Data Sheet (SDS) for full handling and disposal information.

Technical Data:

Property	Value
Basis	2-components epoxy-resin
Color	grey and limited colors
Density	approx.1.80 g/cm3 at +23°C
Mixing Ratio	2:1 part by weight
Pot life	approx. 60 mins at +23° C
Adhesive open time	approx. 90 mins at +23° C
Min Curing temp	+10°C
Tensile Adhesion Strength	approx. 2,5 N/mm2 concrete failure
Flexural Strength	30 N/mm2 (DIN EN 196-1)
Compressive Strength	60 N/mm2 (DIN EN 196-1)