

Technical Data

HYBRIFLEX FL

High Modulus Hybrid Flooring Joint Sealant

Description

HYBRIFLEX FL is a one part, chemically curing solvent free sealant and adhesive combining the best qualities of silicone and polyurethane technologies.

It is specifically designed as an easy flow flooring grade for all concrete saw cuts and floor slab expansion joints, where abrasion resistance is required.



Available in

600ml Foil Packs in the following colours:

Grey

Benefits

- Excellent trafficking resistance – suitable for FLT use when fully cured.
- Abrasion resistant
- Excellent resistance to Chemicals & petrol (10% dilute acids, alkalis, most solvent)
- Good flexibility ($\pm 20\%$)
- Overpaintable with most paints (compatibility test should be made)
- Can be applied on damp surfaces

Storage

Store in cool dry conditions between + 5°C and 25°C.

Recommended For

High traffic floor joints such as those found in garage forecourts, warehouses, factory floors, sports arenas, shopping centres etc.

Shelf Life

12 months in original unopened containers.



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Health & Safety

Data sheet available to professional user upon request.

Joint Dimensions

Trafficked: Min Width: 6mm
Max Width: 20mm
Min Depth: 10mm

Untrafficked: Min Width: 6mm
Max Width: 40mm*
Min Depth: 10mm

Surface Preparation

All surfaces must be cleaned and be free from dust, grease and frost. Surfaces may be damp, but have no standing water. For most substrate, priming is not required, (except when area is intermittently or permanently immersed). If in doubt contact our technical department. Joints should be designed in accordance with BS6093. Square cross sections are preferred with a minimum 10mm depth.

NEW JOINTS: Concrete joints should be sawn, all debris flushed away after cutting and joints allowed to dry.

RENOVATING OLD JOINTS: Remove all old sealant from existing joint and clean back to sound concrete by wire brushing, grinding or shot blasting.

Fit backing rod and/or joint breakers as required by relevant flooring standards/specifications/codes of practice.

For a neat finish, mask joint edges, removing masking tape immediately after tooling is completed and before sealant skins over.

Specific Data

Consistency	Paste
Density	1,55 ± 0.05
Application temperature	+5 to 50°
Service Temperatures	-40°C to +90°C
Skin Formation at 23°C and 50% RH	30-90 Mins depending on humidity levels and substrate moisture content,
Trafficking (at 20°C/50% RH)	Foot Traffic: 24 Hours; FLT: 4 Days.
Sagging	None
Curing at 23°C and 50% RH	24hrs: 3mm 48hrs: 6mm 72hrs: 8mm
Shore A hardness	50-60
Modulus	High
Elongation at break	100-200%
Water and salt spray resistance	Excellent
Resistance to dilute acids and bases	<10% concentration. Petrol, Diesel and Oil
Resistance to UV radiation	Excellent
Compatibility with paints	Yes; trials recommended
Coverage	Approx. 20 linear metres per foil pack.

*For larger joint configuration consult our technical services.

Movement Factors

+/- 20%

Joint Width Calculation

Joint widths are calculated as in BS6213:

$$\text{Width} = \frac{M \times 100}{F} + M$$

Where M = movement and F = movement accommodation Factor

Coverage

Joint size in mm	Litre per metre run	Metre per 600ml foil
6 x 10	0.06	10
20 x 20	0.4	1.5
25 x 20	0.5	1.2
30 x 20	0.6	1.0
40 x 25	1.0	0.6

Primer

HYBRIFLEX FL does not require a primer on most common surfaces, although adhesion tests are recommended prior to full scale application. If the joint is likely to be immersed or if adhesion is poor (especially on porous surfaces) use EVERBUILD SILICONE PRIMER P1. To improve adhesion (if required) to non-porous surfaces, prime with EVERBUILD SILICONE PRIMER NP2.

Limitations

- Allow sufficient curing time before trafficking.
- It is the user's responsibility to determine suitability for use. If in doubt, please contact Technical Services Department for advice

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