



Pre-Seal FR10 LF

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Celdex Pre-Seal FR10 LF is a fire resistant semi-closed cell polyurethane foam tape with excellent airtight and insulating properties. The product is suitable as an airtight sealing and thermal insulation for irregular surfaces. To achieve fire resistance in a single application, Pre-Seal FR10 LF is equipped with intumescent graphite compound that expands when exposed to fire or heat.

PROPERTIES

Pre-Seal FR10 LF was developed specifically to comply with the highest airtightness requirements for large joints while applying limited compression (20 %). The product is very suitable for the airtight assembly of various construction parts. For its fire-resistant properties, the product is equipped with intumescent graphite compound that expands when exposed to fire or heat. In order to position elements easily, the product has a 'low-friction' top layer. The product offers protection against air, heat loss and noise. The foam tape is available on roll, reel and as a customised die-cut. Available in the colour grey.

CHARACTERISTICS

- Semi-closed cell polyurethane foam tape
- Fire-resistant E60
- Compressible
- Equipped with 'low-friction' top layer
- Available on roll, reel and as a die-cut
- Optimal airtight sealing properties

- With or without adhesive backing
- Prevents air and thermal leakage
- Sound absorbing
- Not UV-resistant
- Colour: grey

PROCESSING GUIDELINES

Thoroughly remove dust, dirt and grease from the substrate with neutral Celdex Cleaner. Use the correct tape size for every joint width. When using Pre-Seal FR10 LF, ensure that this is free from UV or water burden. Always apply the self-adhesive side to the most even substrate and prevent air entrapment. Pre-Seal FR10 LF can be applied to untreated wood without the need for a primer. When the temperature is below 10 °C, the self adhesive layer has a reduced initial adhesive strength. Apply the foam tape without stretching. In corners the foam tape should be cut and rejoined at a 90° angle with overlength, butt joints should be glued using contact adhesive. In case of exterior corners (of frames) apply an overlap and press Pre-Seal FR10 LF together on the adhesive layer. After application apply extra pressure with the Celdex Pressure Roller.



Seal4Prefab

Pre-Seal FR10 LF is part of the Seal4Prefab sealing system. The system consists of an airtight, insulating and driving rain seal. Seal4Prefab has been specifically developed for the prefab construction & industry.

SAFETY

No specific safety guidelines exist for this product.

MAINTENANCE INSPECTIONS

Possible damages to the sealing materials can be timely identified by performing periodic inspections. In order to prevent consequential damage, reconstruction works will be carried out in consultation with Celdex. Before any reconstruction works are carried out, it is essential to establish the cause of the damage to the sealing and to ask Celdex for additional advice. This can be done by means of targeted visual inspections or by assessing the damage in a laboratory.

IN CASE OF DOUBT

When in doubt, or in case of deviating circumstances, you can contact our Technical Department. Would you prefer customised advice? Our technical consultants will be happy to help you.

CELDEX

Celdex is a producer of synthetic foam products for construction, industry, sports & leisure. In addition to a wide range of standard products, we also provide customisation. Whichever product you choose, we produce everything in-house and use short delivery times. Celdex is the one discussion partner for airtight construction for architects, construction companies and the supplying industry. Our consultants have broad constructional know-how and think along about construction, use of material and critical connections. Our products can usually be applied prefab, which saves a lot of time and construction costs. Throughout the building process, we provide advice about the application and processing of our materials, aiming for optimal performance.

Discover our assortment:

- Foam fillers
- Stone wool products
- Single-sided and double-sided adhesive foam tapes
- Pre-compressed foam tapes
- Butyl tapes
- Fire-resistant products
- Anti-drumming materials
- Duct seals
- Tapes
- Polyurethane foams, elastic sealants and adhesives

TECHNICAL DATA

Density	31 kg/m ³
Compression force	4-5 kPa
Colour	Grey
Airtightness (NEN 2687) 25 % compression	Class 3
Airtightness (NEN-EN 12207) 25 % compression	Class 4
Airtightness (C-Value) 25 % compression	0.00002 dm ³ /s .m.Pa ⁿ
Airtightness (EN 1026) 25 % compression	Qv10 = 0.004 dm ³ /s
Airborne sound insulation (ISO 10140-2:2012) (Rw)	42 (-1;-2) dB (applied once) / 49 (0;-2) dB (applied twice)
Fire resistance (EN 1366-4)	E60 joint width 0-15 mm
	EI45 joint width 0-15 mm
	EI60 joint width 0-10 mm
Fire behaviour (FMVSS 302)	< 100 mm/min
Durability	BRL 2804-1 aging
Service temperature range	-40 °C to +120 °C
Thermal conductivity	0.033 W/mK
Permanent deformation (ISO 1865) 22h/70 °C	20 %
Elongation at break (ISO 1798)	> 145 %
Tensile strength	150 kPa
Available thicknesses	5, 7, 10, 12, 15, 20, 25, 30 and 40 mm / others on request
UV-resistance	Poor
Joint type	All joint types possible
Aging	Changes colour
Shelf life at storage temperature 20 °C	12 months in closed package

The data on this product data sheet was represented as complete and as correctly as possible, but cannot constitute any guarantee. When in doubt, please consult one of our specialists. The application method, as also the application conditions will be your own responsibility. Deliveries will take place exclusively in conformity with our General Delivery and Payment Conditions.