



## Flexfoam Pro

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Celdex Flexfoam Pro is a professional flexible 1-component gun foam based on polyurethane. The permanent flexibility creates a sustainable and highly insulating (airtight) seal. Flexfoam Pro is tested according to EN1026 for air loss at 1050 Pa. The product has excellent adhesion, durable sealing function with high insulation values.

### PROPERTIES

Flexfoam Pro offers excellent airsealing, insulating and acoustic qualities. The product can be processed with an applicator gun. The cured foam is highly elastic, predominantly closed celled and moisture and temperature resistant (-40 °C tot +90 °C).

### CHARACTERISTICS

- Excellent airtight properties
- High elasticity (>25%)
- Deformable and with high resilience capacity
- Excellent insulating properties: 0.030-0.035 WmK
- Excellent acoustic value: 63 dB
- Up to 35 litre yield (750 ml)
- Colour: white

### PROCESSING GUIDELINES

For optimal adhesion, the substrate must be clean, dry and dust-free. For powdered surfaces, Celdex Primer is recommended. Application temperature should be between: +5 °C and +30 °C (ideally between +10 °C and +25 °C). Hold the canister with the valve point upwards and affix an applicator gun with NBS-thread to the canister, preferably a Celdex PU-applicator gun Alu Pro black. Shake the canister vigorously prior to use at least 20-30 times before use. Sufficiently moisten the substrate. To regulate the flow of the foam, loosen the valve at the back of the handle. Fill the joint 50% and in case of a low humidity, lightly spray the foam with water. The foam will expand and fills the rest of the joint. Any joints wider and deeper than 4 cm should be filled in multiple layers. Wait 15-30 minutes between applications. Before applying a new layer, lightly moisten with water. Applied foam can be cut after 20-40 minutes. Cured foam can be repainted and finished by use of Celdex Sealer and/or plaster.



## SAFETY

Protect eyes, wear gloves and protective gear. Floor and furniture should be covered with paper or plastic foil. Protect the pressurized container from direct sunlight and do not expose it to temperatures exceeding +50 °C. Do not pierce or burn the container, even after use. The product contains flammable propellants. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition. Do not smoke while using this product. For more information see MSDS.

## 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?

## 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

Base	Polyurethane
Colour	White
Fire behaviour	B3
Density	20-25 kg/m <sup>3</sup>
Dimensional stability	-5 % < DS < 0 %
Closed cells	Approx. 70 %
Yield (FEICA TM1003)	Approx. 35 litre
Tack free time (FEICA TM1014)	After 6-10 minutes
Cutting time (FEICA TM1005)	After 20-40 minutes
Curing time (FEICA TM1015)	After 80-100 minutes
Thermal conductivity	0.030-0.035 W/mK
Permeability (EN 1026)	a < 0,0001 dm <sup>3</sup> /m.s - 1.050 Pa
Joint sound insulation	63 dB
Application temperature canister	+5 °C - +30 °C
Service temperature range foam	-40 °C to +90 °C
Water absorption wp	0.15 kg/m <sup>2</sup>
Water vapour diffusion sd	1.3 m
Water vapour diffusion resistance factor	36 μ
UV-resistant	Not UV-resistant
Shelf life at storage temperature 20 °C	12 months in closed package, store dry and upright

*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.*