Technical Data Sheet

Version 03/2023

Klebeschaum DS

Product Description

Moisture-reactive one-component polyurethane foam system from the aerosol can. For processing with a PU foam gun. Full yield and optimal foam structure is achieved only by sufficient shaking and moistening. Free from CFC, HCFC and HFC.

Product Properties

- tested according to TR46 for ETICS systems according to ETAG 004
- B1 "hardly inflammable" according to DIN 4102-1
- "no burning particles/drops dripping off“ according to DIN 4102-16
- hardly inflammable gun foam
- easy and fast processing
- dimensionally stable
- no dwell pressure after curing
- heat insulating
- high strength
- safe in the cured condition
- resistant to aging - but not to UV radiation
- frost resistant
- suitable for bonding slab edge formwork
- high bonding strength on most building substrates such as masonry, concrete and wood, on insulating materials, metals and many plastics
- excellent adhesion to wood, fiber cement, aerated concrete, concrete, masonry, plaster, XPS and rigid PVC
- fills unevennesses

Areas of Application

Use in the ETICS area:

In the areas requiring licenses, the specifications of the respective ETICS system holder must be strictly observed. The requirements of ÖNORM B 6400 external wall thermal insulation composite systems apply. If no other requirements regarding the processing are made, then the insulation boards must be glued with the so-called „edge bead - point method“. After applying the adhesive foam to the insulation board, it must be pressed against the dust-free wall within a few minutes.

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Use as perimeter glue:

The requirements of ÖNORM B 3692 - structural waterproofing apply. Thick coatings (PMBC) must be completely dry before bonding. Apply approx. 2 - 3 cm thick foam strings vertically (no wavy lines) to suitable insulation boards (e.g. XPS) distances from 25 to 30 cm. To prevent excessive re-expansion, wait 2 - 3 minutes before pressing the insulation boards against the wall. Firmly press the insulation boards against the substrate and rub gently. The supporting surface of the bottom row boards must be firm. Secure the insulation boards against slipping until the adhesive is strong enough. A suitable backfilling material has to be applied in layers and compacted. Settlements must not transfer any shear stresses to the insulation board adhesive or the sealing layer, e.g. by additionally installing a sliding foil or a suitable fleece between the insulation boards and the backfilling material. The insulation board adhesive is used in the perimeter area as an assembly aid for fixing the insulation boards and not for permanent bonding. It is recommended to fill the excavation within 2 weeks after the bonding. Not suitable for bonding in the groundwater area and in oppressive water areas. The compatibility with the sealing materials must be clarified before use.

Bonding in other areas:

With this adhesive insulation boards can be glued in a variety of areas. Do not use in areas requiring license.

Form of Delivery

Foam colour:	yellowish
Packing unit:	12 cans per box
Can:	750 ml

Substrates

Suitable substrates:

masonry, plaster, wood, bitumen, PMBC, concrete, aerated concrete, bricks, clinker, plasterboards, fiberboards, various plastics, corrosion-protected metals, styrofoam, various other insulating materials, rigid foam panels, ceramics, tiles, stone

Unsuitable substrates:

PE, PP, PTFE, oily/greasy surfaces, gypsum, tar, silicone, corrosion-prone metals, some powder coatings, release agents

Instructions for Use

The adhesive surfaces must be clean, free from release agents and stable. Dust, grease, oil and loose parts must be removed before processing. For gypsum-based substrates, a suitable gypsum primer is recommended. Moisten dry surfaces before foaming. Metals must be provided with a protective coating to prevent corrosion damage due to moistening prior and after application. Cover adjacent areas sufficiently and put on personal protective clothing. Shake the can well at least 20 times before use. Remove cover/safety cap. Screw foam gun onto the can and foam sparingly/dosed. The optimum can temperature is 20 °C.

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For relevant fire protection applications, the specifications of the manufacturers and the applicable standards have to be observed. In case of doubt, please contact our sales staff before application.

Technical Data

Characteristics	Standard	Value
Fire behaviour	DIN 4102-1	class B1
Dripping behaviour	DIN 4102-16	"no burning particles/drops dripping off“
Processing temperature can min./max.		+5 to +30 °C
Processing temperature can optimal		+15 to +25 °C
Processing temperature environment min./max.		+5 to +35 °C
Processing temperature environment optimal		+15 to +25 °C
Yield free-foamed (20 °C/65 % RLF)	FEICA EN 17333	approx. 40 liter / 750 ml can
Skin-forming time (20 °C/65 % RLF)		approx. 6 minutes
Non-sticky		approx. 15 minutes
Form stability (20 °C/65 % RLF)	FEICA EN 17333	± 7 %
Bulk density SKZ method		approx. 23 kg/m³
Compressive strength at 10% compression	DIN 53421	5 - 7 N/cm²
Thermal conductivity	EN 12667	approx. 0,035 W/mK
Shelf life (dry, at 20 ° C); higher temperatures shorten the storage time		12 months

Safety Instructions

Wear gloves during processing as the fresh foam sticks strongly and can only be removed mechanically after hardening. Wear safety glasses. Remove fresh foam splashes with INSEBO PU-Universal-Reiniger. Hardened PU foam can only be removed mechanically.

Store upright and cool otherwise the valve may stick. Higher temperatures shorten the storage time.

Please refer to our safety data sheet and the product label for further information on product safety and handling.

Current safety data sheets and further information on our products can be found at www.insebo.com.

Service

Upon request, our trained sales representatives are always at your disposal.

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Disposal

For disposal instructions please refer to our safety data sheet and product label.

Additional Information

This technical data sheet advises without obligation and guarantee. The mentioned processing instructions have to be adapted to the prevailing conditions. The user is obliged to check the suitability and application by own experiments in order to avoid failures. All given descriptions, data, ratios, weights, etc. can change without notice and do not represent contractually agreed properties of the product. Existing laws, standards and regulations are to be observed by the recipient of our products in their own responsibility.

Due to the large number of possible influences during processing and application, a guarantee of certain properties or suitability for a specific application can not be made, own tests are necessary.

The right to make technical changes is reserved.

Test Certificates

DIN 4102-1	**Class B1**
Testing institute:	MPA BAU HANNOVER
Test report:	P-NDS04-1226
Int. PZ-No.:	PU136

TR 46	**TR 46 for the technical evaluation of ETICS according ETAG 004**
Testing institute:	ofi Wien
Test report:	1700711
Int. PZ-No.:	PU122

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