



## TECHNICAL DATA SHEET

# EPS-GRAU 032/034 WDV

## 1. PRODUCT DESCRIPTION

Grey expanded EPS rigid foam acc. to EN 13163, dimensionally accurate and free of shrinkage, CFC-HFCFC and HCFC free. With improved thermal insulation. The EPS rigid foam panels comply with the increased requirements of the Fachverband für WDVS e.V. (Trade Association for ETICS), quality protection BFA QS EPS, roller stamp red-red-blue.

## 2. FIELD OF APPLICATION

Facade insulating panels with increased thermal insulation for KEIM exterior thermal insulation composite systems. The entire ETIC system is low-flammable B1 or normally flammable B2 in accordance with DIN 4102. System approvals see Z-33.4.1-45/Z-33.43-185/Z-33.47-727/Z-33.46-1187. Permissible building height acc. to the German Landesbauordnung (building regulations).

## 3. PRODUCT PROPERTIES

CE symbol code: EPS EN 13163-T2-L2- W2-S2-P-DS (70,-)  
2-DS (N) 2-TR100

- T2 ± 1 mm thickness tolerance
- L2 ± 2 mm/m length tolerance
- W2 ± 2 mm/m width tolerance
- S2 ± 2 mm/m perpendicularity
- P ± 3 mm/m evenness
- DS (70,-) 2 2% dimensional stability at 70°C
- DS (N) 2 ± 0.2% dimensional stability at normal temperature
- μ-value: 20/50
- Irreversible length alteration: ≤ 0.15%
- Combustion behaviour: B1 acc. to DIN 4102
- Rated value of thermal conductivity λ: 0.032/0.034 W/mK
- TR100 ≥ 100 kPa tensile strength vertical to the panel plane

## 4. APPLICATION INSTRUCTIONS

### Substrate preparation:

The substrate must be firm, dry, clean, and free of grease and dust. The permanent compatibility of possibly existing

coatings with the adhesive mortar must be professionally tested.

### Application:

The insulating panels are closely joined and glued in a bond pattern from bottom to top.

Apply the system adhesive using the bead-point method or over the entire surface of the insulating panels, and do not allow any adhesive to get between the panel joints. At building corners the panels are glued offset. Closing of cavities and cracks up to 5 mm is allowed with Thermofoam B1 sealing foam.

Note: No insulation joint over a joint in the substrate. Protect glued insulating panels from direct sunlight by taking appropriate measures.

Unprotected insulating panels exposed to the weathering chalk on the surface and must be ground over the full surface before processing. Remove grinding dust. Perform cuts with suitable tools.

## 5. PACKAGING

Panel format:	1000 x 500 mm
Butt:	Panel thickness 20 – 300 mm
Stepped profile:	Panel thickness 30 – 300 mm
Tongue and groove:	Panel thickness 40 – 300 mm

Larger thicknesses on request.

## 6. STORAGE

Dry and cool. Protect from direct sunlight and weathering!

## 7. DISPOSAL

EC Waste Code No. 17 06 04

## 8. SAFETY INSTRUCTIONS

Giscode: Not applicable



Provide appropriate protection for surfaces which are not to be coated (e.g. glass, natural stone, ceramics, wood etc.). Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with water. Protect the eyes and skin from splashes, if necessary wash off immediately with water. When using, do not eat or drink. Keep out of reach of children.

Please refer to EC Safety Data Sheet.

The stated values and properties are the result of extensive development work and practical experience. Our recommendations for application, whether given verbally or in writing, are intended to provide assistance in the selection of our products and do not establish a contractual relationship. In particular, they do not release those purchasing and applying our products from the duty of establishing for themselves, with due care, the suitability of our products for the intended application. Standard building industry practices must be complied with. We retain the right to make modifications to improve the products or their application. This edition supersedes all earlier editions.



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