Product Data Sheet

Austrotherm Resolution® Flat Roof (Flachdach)

High-performance thermal insulation made of rigid phenolic foam (resol) with a closed-cell structure. Ideally suited for flat roof insulation, e.g. warm roof insulation and duo roof insulation. Extremely low build-up heights are possible.

- Super slim: space-saving insulation solution
- Enormous weight savings
- Excellent fire behaviour

Application:	Areas subject to compressive loads; sloped roofs as base (underlay) board
Delivery form:	Board dimensions: 1250 x 500 mm Available thicknesses: 40 – 300 mm Edge profile: straight edge (GK)
Product type:	Rigid phenolic foam (PF), in accordance with ÖNORM EN 13166
Facing:	Top side with 3 mm EPS Plus
Designation code:	EN 13166 - T(1) - DS(N) - DS(70,90) - DS(-20,-) - CS(10)120 - CV

Technical data

Thermal conductivity	**0.022 W/mK**
Compressive strength	**120 kPa**
Shear modulus	**> 250 kPa**
Shear strength	**> 30 kPa**
Density	**approx. 35 kg/m³**
Closed-cell content	**≥ 90 %**
Water vapour diffusion resistance factor	**20**
Reaction to fire, EN 13501-1	**E**

Note:
Austrotherm Resolution® is resistant to short-term contact with petrol and to most diluted acids, alkalis and mineral oils. In case of long-term contact of Austrotherm Resolution® with adhesive or adhesive mortar, one with a maximum pH value of 12 must be used.

Austrotherm Resolution® contains no chlorofluorocarbons (CFCs), HCFCs or HFCs, nor HBCD, and is free of chlorine and chlorides.

Development and Application Technology
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