

## ABSORPTION

### CALDIFOAM Q FR – sound absorbing foam



CALDIFOAM	Thickness	Weight
Q FR 25	25 mm	0,625 kg/m <sup>2</sup>
Q FR 40	40 mm	1,0 kg/m <sup>2</sup>
Q FR 50	50 mm	1,25 kg/m <sup>2</sup>

#### Description

Caldifoam Q FR is a closed cell absorbing foam based on polyethylene. Caldifoam has a white or black color.

#### Characteristics

- Outstanding sound absorbing properties in lower and middle high frequencies
- Low weight measured according to ISO 845-2006, density 25 kg/m<sup>3</sup>
- Flame retardant in accordance with FMVS 302, DIN 75200, ISO 3795 fire retarding properties: < 100 mm/min, DIN 4102 B1, DIN 5510-2, S, SR2 and FED ≤ 1 (25 mm black), EN 45545-02 2013: R7 HL3
- Thermal insulation value according to ISO 8301  
- λ: 0,082 W/mK at -5°C
- Water absorption: RH > 95% after 28 days < 4%
- Resistant to chemicals, dirty repellent, offers resistance against corrosion of metal plates
- Non-breeding ground for fungal growth or bacteria
- Easy to clean
- Temperature resistant from -50 °C to 100 °C

#### Application

Machine building, engine rooms, automotive- and train industry, agricultural machinery, Ventilation- and air conditioning systems

#### Processing

Easy to cut with a (Stanley) knife or with a saw band

Surface must be clean, dry and free from dust and grease.

Apply in combination with TEROKAL-2444 contact adhesive (approx. 300 g/m<sup>2</sup>), adhesive pins, welded pins or screws etc.

#### Dimensions

Plates of 1200 x 2400 mm

For weights and thicknesses see table above

Die-cut tailor-made parts available

## ABSORPTION VALUE

Absorption material : Caldifoam Q FR  
 Measured according to : DIN en ISO 354

