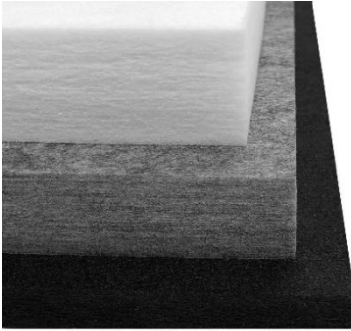


## ABSORPTION AND THERMAL

### Acupol - polyester wool



Standard	Kg/m <sup>3</sup>	Kg/m <sup>2</sup>	Colour	Thickness	Dimensions
Acupol 20-20W	20	0.4	white	20	1000x1000
Acupol 20-50W	20	1.0	white	50	1200x1000
Acupol 25-40W	25	1.0	white	40	1200x1000
Acupol 40-40W	40	1.6	white	40	1000x1000
Acupol 40-40Z	40	1.6	black	40	1000x1000
Acupol 60-40W2S	60	2.4	white	40	2400x1200
Acupol 70-40G2S	70	2.8	grey	40	2400x1200
Acupol 70-40Z2S	70	2.8	black	40	2400x1200

**Product description** Acupol is a synthetic wool (polyester wool) made of thermally bonded polyester fibres from, among others, recycled PET bottles without chemical additives.

- Properties**
- Sound-absorbing and thermally insulating, excellent alternative to glass and stone wool products
  - Elastic and dimensionally stable
  - Sustainable because 100% recyclable
  - No chemical binders, skin-friendly and allergy-friendly
  - Resistant to moisture (Um 1.02% DIN 52620), UV, cleaning, pests, dust mites, mould (in accordance with DIN IEC 68)
  - Oeko-Tex Standard 100 certified
  - Thermal conductivity ( $\lambda$ )      15 kg/m<sup>3</sup>: 0.045 W/mK ; 20 kg/m<sup>3</sup>: 0.040 W/mK ; 40 kg/m<sup>3</sup>: 0.035 W/mK
  - Fire classification:      B-s1,d0 (DIN EN 13501-1:2018); except Acupol 70-40 2S -> C-s3,d0 B1 (DIN 4102)
  - Application temperature max 100°C

**Use** Machine and equipment construction, automotive industry, ship and yacht building, utility construction, interior design, residential construction, cooling ceilings, ventilation units, heat pumps, solar panels, ceilings and walls, e.g. for improving room acoustics

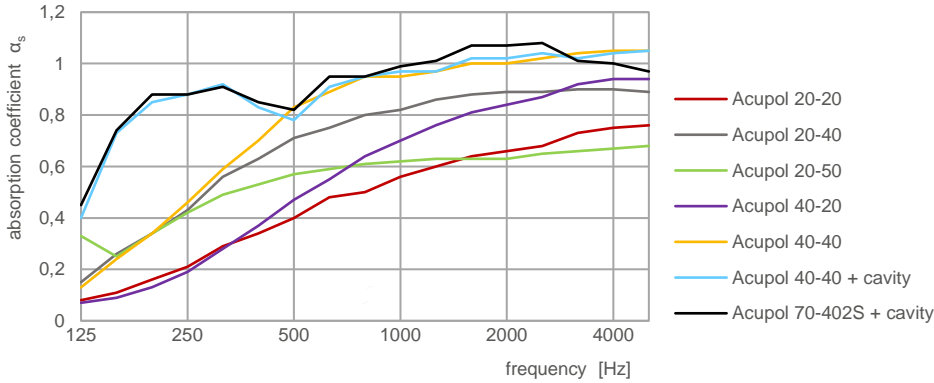
**Processing** Can be cut to size with scissors, keyhole hack-saw, rotary cutter (such as Suprena CR-100A)  
Surface must be clean, dry and free from dust and grease before installation  
Can be installed using Adhesive pens or by priming the surface with TEROKAL-2444 contact adhesive (approx 300 g/m<sup>2</sup>)  
good adhesion is obtained by careful pressing

**Options** In addition to standard versions, Acupol is available with the following options on request:

- finishes : untreated, riveted top layer, heat-reflective aluminium top layer, 1 or 2-sided smooth top layer (2S, see table), self-adhesive backing, top layer with colour or photo print
- density : 15 to 400 kg/m<sup>3</sup>
- thickness : 10 to 300 mm, standard types can be split by ISOPARTNER
- dimensions : panel max 2,400 x 2,400 mm  
on a roll, depending on weight/thickness  
moulded part as specified  
standard types can be made smaller  
by ISOPARTNER

DISCLAIMER  
De omschreven toepassingen en aanbevelingen zijn zo correct mogelijk weergegeven maar zijn vrijblijvend en bieden geen garanties. Bij twijfel over toepassing of verwerking zelf een test uitvoeren of contact met ons opnemen. We behouden ons het recht om zonder kennisgeving vooraf, productgegevens te wijzigen.

in accordance with EN ISO 354



Type	Hz / $\alpha_p$	125	250	500	1000	2000	4000	$\alpha_w$
Acupol 20-20		0,10	0,20	0,40	0,55	0,65	0,75	0,45
Acupol 20-40		0,20	0,45	0,70	0,85	0,90	0,90	0,70
Acupol 20-50		0,25	0,40	0,55	0,60	0,65	0,70	0,60
Acupol 40-20		0,05	0,20	0,45	0,70	0,85	0,95	0,45
Acupol 40-40		0,15	0,45	0,80	0,95	1,00	1,00	0,75
Acupol 40-40 + 400 mm cavity		0,40	0,55	0,90	0,85	0,95	1,00	1,00
Acupol 70-402S + 400 mm cavity		0,60	0,55	0,90	0,85	0,95	1,00	1,00