

## DESCRIPTION

Stretchsound Polyesterwool is made of partially recycled polyester fibers, of which more than 60% comes from the recycling of pet bottles. Stretchsound Polyester wool contains no toxic or toxicologically suspicious substances and has been tested according to Öko-Tex standard 100. Contact with polyester fibers

does not produce allergic reactions, skin irritation or respiratory problems. The material gives no dust formation and no chemical binders. An additional advantage is that Stretchsound Sound Absorbent PolyesterWool is highly form-stable and elastic, which makes it unlikely to collapse. Stretchsound Polyester wool is produced in any size or shape. In addition to very high acoustic values, the material also contains good thermal properties.

## COMPOSITION

Stretchsound Polyesterwool is a durable, sound-absorbing material made from polyester fibers

## CHARACTERISTICS

- sound absorbing
- fireproof and heat resistant
- thermal insulating
- non irritant
- Elastic and shape-stable

## APPLICATIONS

- ceilings and walls
- machine and equipment construction
- vehicles
- office furniture
- etc.

# STRETCH

## FORM, APPEARANCE AND COLOR

Stretchsound Polyesterwool is a flat plate with straight sides. On request, the Stretchsound Sound Absorbent PolyesterWool is also available on a roll or as a measure. The product is available in basic colors white (non-color) or black. In addition, Stretchsound Polyesterwool is also available in gray or green and on request with a topcoat in color.

## WEIGHT

- density: standard 20 or 40 kg / m<sup>3</sup>
- Other density (15 to 80 kg / m<sup>3</sup>) available on request

## LOCAL MEASURES

- Standard plate size: 1,200 x 1,000mm
- other dimensions on request at minimum reduction (max. Size 4.800 x 2.000mm)

## FIRE CLASSIFICATION

EN - 13501-1: 2002 fire class B, smoke number S1 and drop number D0 (DIN 4102 class B1)

## THERMAL ISOLATIONARDS

(according to DIN52612)

- Type D15:  $aw = 0.041 \text{ W / m} \cdot \text{K}$
- Type D20:  $aw = 0.038 \text{ W / m} \cdot \text{K}$
- Type D40:  $aw = 0.034 \text{ W / m} \cdot \text{K}$

## TEMPERATURE RESISTANCE

The material is resistant to temperatures from -30 ° C to 120 ° C

## OPTIONS

- water and oil repellent top coat (PU)
- Heat-reflecting aluminum top layer
- Decorative tops in color (eg PP fleece)
- Self-adhesive
- Other options on request with minimal reduction

## TOLERANTIES

- Cutting tolerances: +/- 10 mm approx
- thickness tolerances: +/- 10% approx. Max

## PROCESSING

Stretchsound Polyesterwool is custom-cut with a sharp knife, scissors, filament, ribbon saw or a Bosch CSG300 foam saw. The non-adhesive finish is attached to the substrate with a water-borne paste (eg Stauf MKD200). Plates weighing

> 1 kg must also be mechanically attached with a screw and dish.

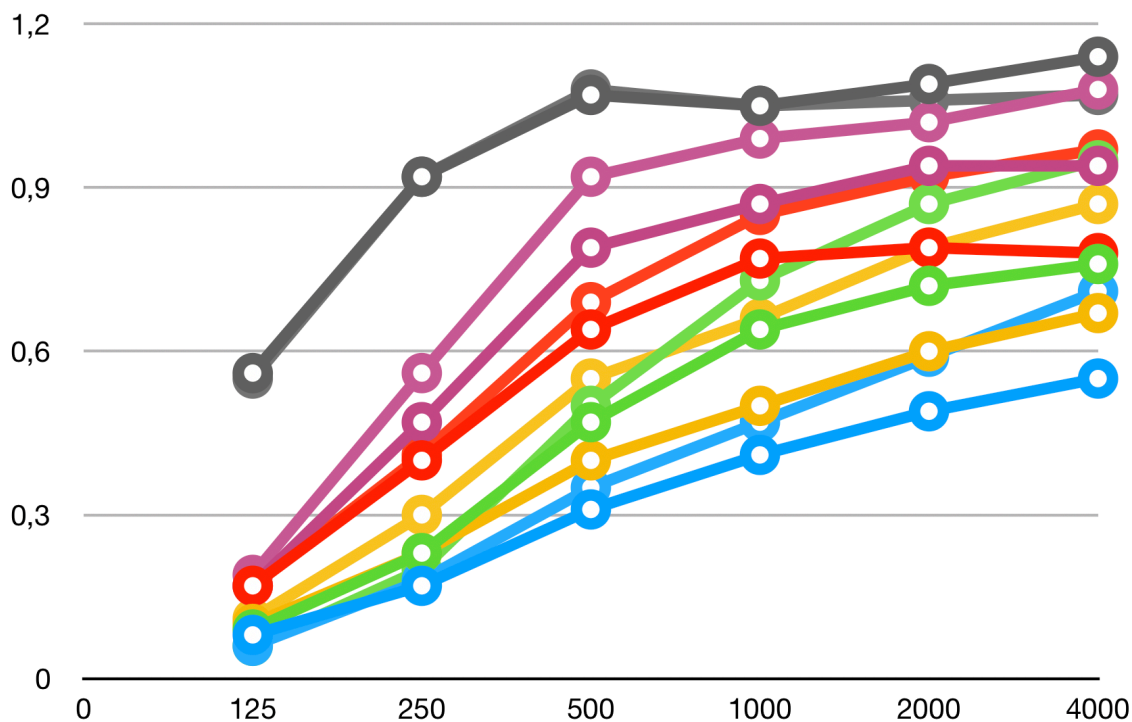
Apply a self-adhesive finish on a smooth, greasy surface. On a rough surface, a sticky test must be done with the self-adhesive finish. If desired, contact glue can be lined up.

## Stretch BVBA

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# STRETCH

○ D20/15    ○ D20/20    ○ D20/25    ○ D20/40    ○ D20/50    ○ D20/100  
○ D40/15    ○ D40/20    ○ D40/25    ○ D40/40    ○ D40/50    ○ D40/100



	125	250	500	1000	2000	4000
<b>D20/15</b>	0,08aW	0,17aW	0,31aW	0,41aW	0,49aW	0,55aW
<b>D20/20</b>	0,09aW	0,23aW	0,47aW	0,64aW	0,72aW	0,76aW
<b>D20/25</b>	0,1aW	0,23aW	0,4aW	0,5aW	0,6aW	0,67aW
<b>D20/40</b>	0,17aW	0,4aW	0,64aW	0,77aW	0,79aW	0,78aW
<b>D20/50</b>	0,17aW	0,47aW	0,79aW	0,87aW	0,94aW	0,94aW
<b>D20/100</b>	0,56aW	0,92aW	1,07aW	1,05aW	1,09aW	1,14aW
<b>D40/15</b>	0,06aW	0,18aW	0,35aW	0,47aW	0,59aW	0,71aW
<b>D40/20</b>	0,06aW	0,2aW	0,5aW	0,73aW	0,87aW	0,95aW
<b>D40/25</b>	0,11aW	0,3aW	0,55aW	0,66aW	0,79aW	0,87aW
<b>D40/40</b>	0,17aW	0,41aW	0,69aW	0,85aW	0,92aW	0,97aW
<b>D40/50</b>	0,19aW	0,56aW	0,92aW	0,99aW	1,02aW	1,08aW
<b>D40/100</b>	0,55aW	0,92aW	1,08aW	1,05aW	1,06aW	1,07aW

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