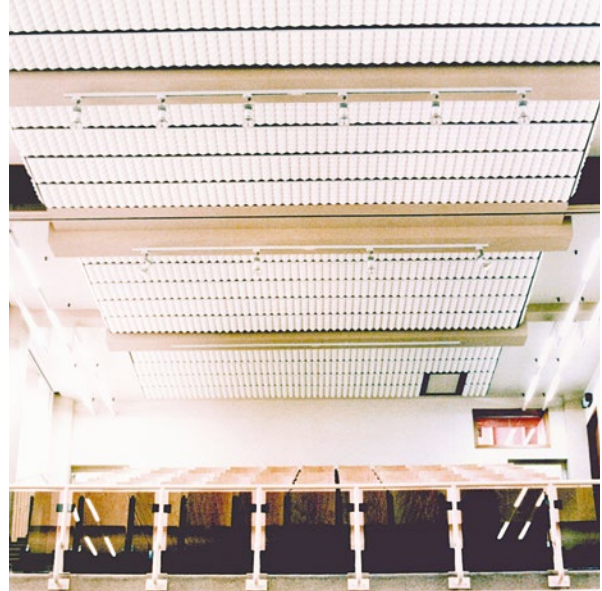


pinta PYRAMID is a highly effective product for sound absorption in an attractive design. The texture increases the surface area, delivering good sound absorption values in the medium to high frequency range.

>> Service

- Call our telephone hotline for custom advice on your situation.

pinta acoustic gmbh
Otto-Hahn-Straße 7
82216 Maisach, Germany
info +49 (0)8141.88 88-0
fax +49 (0)8141.88 88-555
www.pinta-acoustic.de



PYRAMID – the classic sound absorber

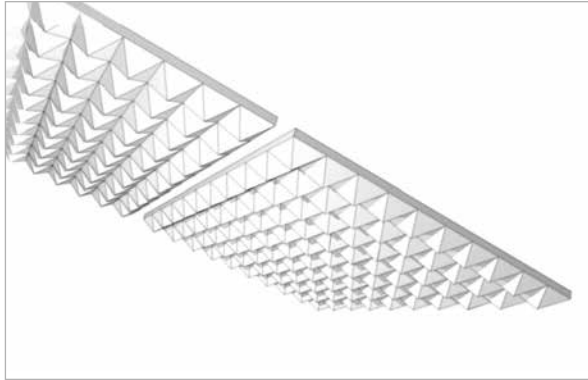
Does your factory suffer from intolerable noise? Do your employees quickly become stressed or tired? Noise is sound which causes annoyance and damages health. This can lead to disorders such as high blood pressure and hearing difficulties. Reduce sound in your factory, classroom or any other room where high noise levels predominate, and comply with the latest EU directives.

pinta PYRAMID is a highly effective, attractively designed sound absorption product. The texture increases the surface area, delivering good sound absorption values in the medium to high frequency range.



>> Choose from a range of alternatives:

- pinta WAFFEL
- pinta PLANO

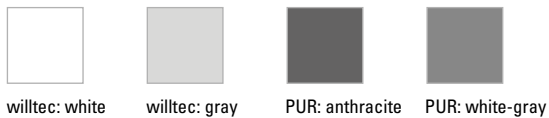


Product advantages

- Easy to install using fireproof system adhesives
- Environment-friendly, free from synthetic and natural fibers, halogens and CFCs
- Reduced transport and handlings costs due to low weight
- Exceptionally good sound absorption thanks to the textured surface
- Customized color schemes possible
- Variable element thicknesses available
- Available in different materials

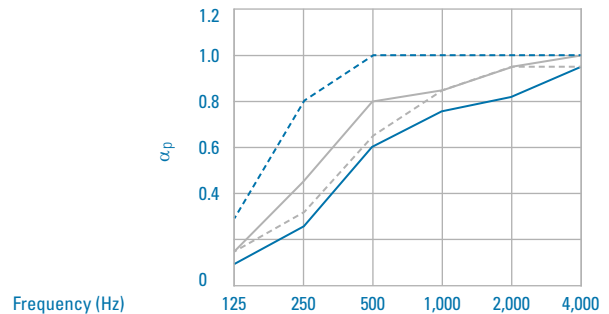
Colors

pinta PYRAMID is available in the following standard colors:



Color coating on request.

Sound absorption coefficient α_p , pinta PYRAMID, according to DIN EN ISO 11654



pinta PYRAMID 50/50	α_p	0.10	0.25	0.60	0.75	0.85	0.95
pinta PYRAMID 70/50	α_p	0.15	0.45	0.80	0.85	0.95	1.00
pinta PYRAMID 100/50	α_p	0.30	0.80	1.00	1.00	1.00	1.00
pinta PYRAMID 70/100 (PUR)	α_p	0.15	0.30	0.65	0.85	0.95	0.95

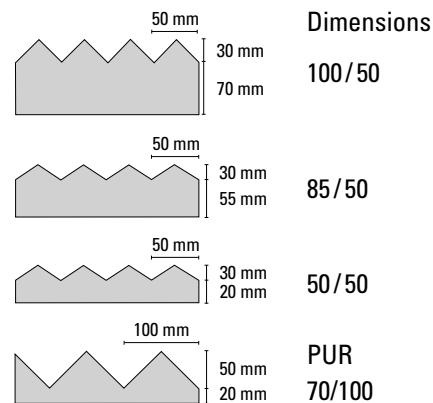
Dimensions

willtec 1,200 x 600 mm
 PUR 1,000 x 1,000 mm

Dimensional tolerances according to DIN 7715 P3.

Versions

Textured on one side as follows:



PYRAMID willtec product data

Characteristic	Standard	Value
Base material		Melamine resin foam
Material density*	EN ISO 845	9.5 ± 1.5 kg/m³
Fire rating	DIN 4102	B1 (flame-retardent)
Fire rating	DIN EN 13501-1	C-s2, d0 up to 80 mm
General test certificate issued by building authorities		P-MPA-E-13-527
Thermal conductivity (d = 50 mm)	DIN 52 612	$\lambda_{10,lr} < 0.035$ W/mK
Sound absorption coefficient (d = 50 mm; 2,000 Hz)	DIN 52 215	> 90 %
Tensile strength	DIN EN ISO 1798	120 to 180 kPa
Percentage elongation after fracture	DIN EN ISO 1798	15 to 29 %
Compression hardness	ISO 3386-1	6 to 11 kPa
Diffusion resistance coefficient	DIN 52615	approx. 1 to 2
Length-specific flow resistance	DIN EN 29053	8 to 20 kNs/m⁴
Long-term temperature stability		180 °C
Short-term temperature stability		220 °C

The foam may have pores of different sizes according to the texture.**

* Pursuant to EN ISO 845 determined with samples having the following minimum dimensions: 250 x 250 x 250 mm.

** As an upper limit, 10 pores per m² with a diameter in a range of > 5 - 15 mm may occur on cut surfaces.

PYRAMID S35sv product data

Characteristic	Standard	Value
Base material		Polyurethane (PUR), soft foam
Material density*	EN ISO 845	30.0 to 34.0 kg/m³
Fire rating	DIN 4102	B3 highly flammable B2 flammable with pinta standard color coating
Thermal conductivity (d = 50 mm)	DIN 52 612	$\lambda_{10,lr} < 0.035$ W/mK
Tensile strength	DIN EN ISO 1798	> 120 kPa
Percentage elongation after fracture	DIN EN ISO 1798	> 130 %
Compression hardness	ISO 3386-1	approx. 3.7 - 5.3 kPa

The foam may have pores of different sizes according to the texture.**

* Pursuant to EN ISO 845 determined with samples having the following minimum dimensions: 250 x 250 x 250 mm.

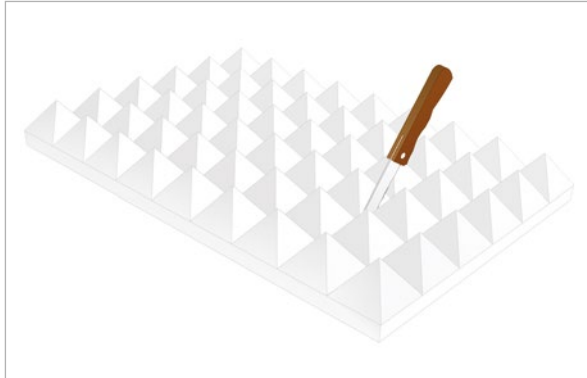
** As an upper limit, 10 pores per m² with a diameter in a range of > 5 - 15 mm may occur on cut surfaces.

Notes:

>> Please note

Product details are based on our current knowledge and experience. In view of the wide range of possible applications, all information is provided without obligation and does not constitute a guarantee of prop-

erties. This also applies to any proprietary rights of third parties. We reserve the right to make technical changes in line with progress.



Cut absorber to the required size



Apply acoustic adhesive



Lay absorbers with a gap of ≥ 20 mm

Installation advice

We recommend using the adhesives below for adhesion of pinta PYRAMID to the following surfaces:

- porous surfaces, such as wood, brick or concrete: pinta acoustic adhesive D
- smooth, non-porous surfaces such as steel panels or PVC: pinta acoustic adhesive S

Gloves should be worn when installing pinta PYRAMID, to avoid getting dirt on the panels. The absorbers can be cut with a sharp knife. We recommend laying the absorbers with a shadow gap of at least 20 mm, to achieve an optimum appearance.

pinta acoustic adhesive D

Field of application

Adhesion of pinta absorbers to porous interior surfaces.

Features

pinta acoustic adhesive D is ready for use and bonds immediately. Nevertheless, absorbers can be adjusted within 5 minutes after laying. pinta acoustic adhesive D securely adheres to concrete, mineral plasters, brickwork and boards made of gypsum, plasterboards and gypsum fibers as well as wooden particle boards (manufacturer's instructions must be followed).

Shelf life

At least 12 months when stored in a dry, frost-free place in unopened original packaging.

>> FAQs about bonding with acoustic adhesive D

- | | |
|---|---|
| <ul style="list-style-type: none">■ Spacing between elements: at least 20 mm■ Acoustic adhesive D is ready for use■ Element adjustment time: 5 minutes■ Shelf life: 12 months in unopened original packaging | <ul style="list-style-type: none">■ Consumption: 1.2 to 1.5 kg/m² for whole-area bonding■ Working temperature range: +5 to +25 °C■ Drum sizes: 5 and 20 kg |
|---|---|

Lowest film formation temperature

approx. +4 °C.

Working temperature range

From approx. +5 °C to approx. +25 °C. Generally, pinta acoustic adhesive D must not be exposed to sub-zero temperatures.

Surface

Surfaces must be even, clean, dry, solid, stable and free of dust, oil and wax. In particular, wallpapers and coats of paint must be removed. Surfaces with insufficient stability, e.g. loose plasters, must be undercoated using a commercially available primer thinned with water in a ratio of 1:1. Uneven surfaces must be smoothed. We recommend carrying out an adhesion test.

Application

Using a toothed putty-knife (size 2-3), pinta acoustic adhesive D is applied to the whole surface area. The absorbers are pressed on and aligned. Fresh spots of adhesive must be wiped off with water. During and after adhesion of pinta products, good ventilation must be ensured so that the adhesive sets quickly.

Consumption

1.2 to 1.5 kg/m² for a whole-area adhesion.

Please note:

We recommend carrying out an adhesion test.

pinta acoustic adhesive S**Fields of application**

pinta acoustic adhesive S is a polydimethylsiloxane based adhesive and is particularly suitable for bonding pinta absorbers to smooth, non-porous surfaces.

Features

pinta acoustic adhesive S is ready for use and bonds immediately. Nevertheless, absorbers can be adjusted within 5 minutes after laying. pinta acoustic adhesive S adheres securely to surfaces such as steel panels, trapezoidal sheet metal and PVC.

Shelf life

12 months when stored in a dry, cool and frost-free place in unopened original packaging.

Working temperature range

From approx. +5 °C to approx. +40 °C. Generally, pinta acoustic adhesive S must not be exposed to sub-zero temperatures.

Skin formation

within 5 minutes at +23 °C und 50 % relative humidity.

Temperature resistance

From -50 °C to +180 °C.

>> FAQs about bonding with acoustic adhesive S

- Spacing between elements: at least 20 mm
- Acoustic adhesive S is ready for use
- Element adjustment time: 5 minutes
- Shelf life: 12 months in unopened original package
- Consumption: half a cartridge per m²
- Working temperature range: +5 to +40 °C
- Packaging units: 12 pcs. per carton

Surface pre-treatment

Surfaces must be stable, clean, dry, and free of oil and grease.

Application

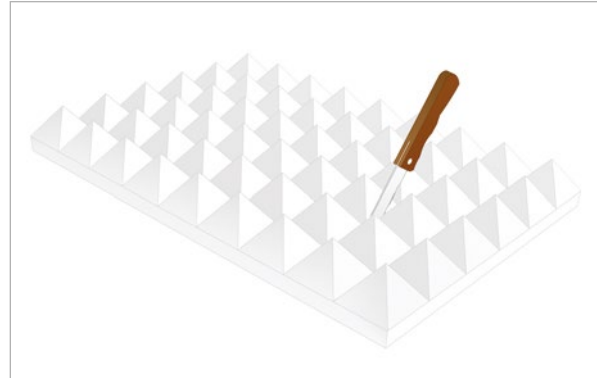
pinta acoustic adhesive S is applied to the surface in strips. The number of strips depends on the product and the size of the absorbers.

Consumption

approx. 0.5 cartridge/s per m².

Please note

We recommend carrying out an adhesion test.



Cut absorber to required size



Apply acoustic adhesive



Lay absorbers with a gap of ≥ 20 mm

>> | Notes on adhesion

We recommend carrying out an adhesion test, as the precise composition of the underlying surface must always be verified on site. Surfaces must be even, clean, dry, solid, stable and free of dust, oil and wax. In particular, wallpapers and coats of paint must be re-

moved. Surfaces with insufficient stability, e.g. loose plasters, must be undercoated using a commercially available primer thinned with water in a ratio of 1:1. Uneven surfaces must be smoothed.

Checklist

Material

willtec is a soft foam on melamine resin basis. Building material class B1 (flame-retardant) according to DIN 4102.

Fire rating according to DIN EN 13501-1: C-s2, d0 up to 80mm

General test certificate issued by building authorities:
P-MPA-E-13-527

Dimensions

- 1,200 x 600 x 50 mm
- 1,200 x 600 x 85 mm
- 1,200 x 600 x 100 mm

Color

- white
- gray
- color coating of the visible side similar to: _____

Material

S35sv: Polyether based polyurethane foam. With standard color coating B2 (flammable), without color coating B3 (highly flammable), according to DIN 4102.

Dimensions

1,000 x 1,000 x 70 mm

Color

- without color coating
- standard color coating (white-gray)
- color coating of the visible side similar to: _____

Adhesives

pinta acoustic adhesive D
For porous surfaces such as concrete, mineral plasters, plasterboard, gypsum fibers and wooden particle boards (manufacturer's specifications are to be observed)

pinta acoustic adhesive S
For non-porous surfaces such as steel panels, trapezoidal sheet metal and PVC (manufacturer's specifications are to be observed)

>> | Contact / Enquiries

Company stamp:

Quantity:

m²

pinta acoustic gmbh
Otto-Hahn-Straße 7
82216 Maisach, Germany
phone +49 (0)8141. 88 88-0
fax +49 (0)8141. 88 88-555
e-mail: info@pinta-acoustic.de