



pinta phonestop V sets new design trends: inside or out. The basic material used for this acoustically highly effective, and purely mineral absorber is expanded glass granulate.

>> **Service**

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

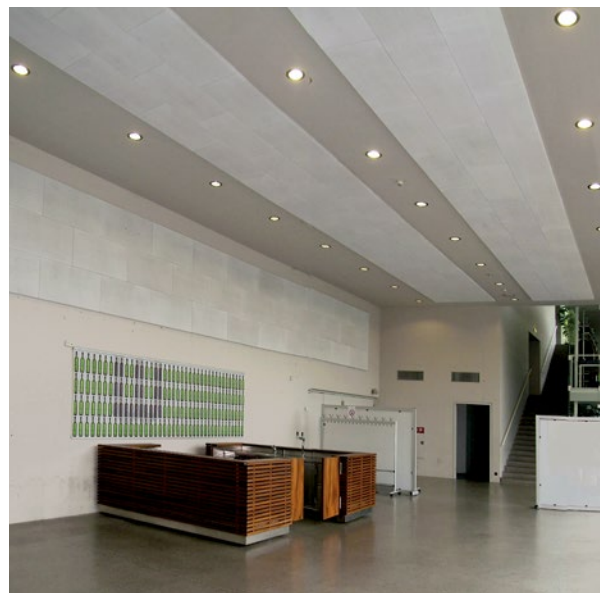
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Design and acoustics for indoor and outdoor use

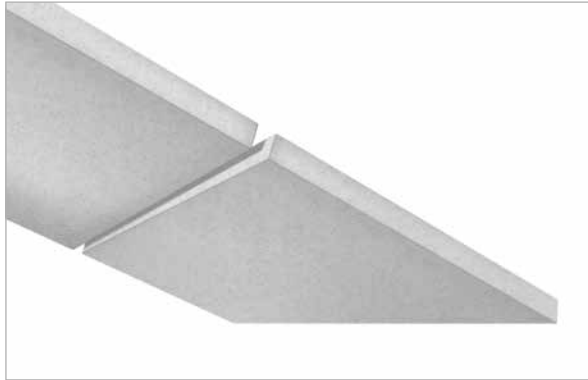
The absorber is made of 100 % recycled glass. Because of its good absorption characteristics, an air space at the back is usually not necessary. pinta phonestop V is weather resistant and can therefore be used both indoors and out. The solid panel is easy to work (drilling, sawing, milling) and can be used in new buildings and redevelopments. Great strength and stability, and high chemical resistance to acid, caustic solutions and organic solvents are other characteristics of the product.

The color of the product is also freely selectable, plastered designs are also possible, so it meets individual customer requirements in terms of visuals and aesthetics.



>> >> Choose from a range of alternatives:

- pinta phonestop V jointless
- pinta phonestop E



Product advantages

- Building material class A1 (non-combustible according to DIN 4102 Part 4)
- High level of sound absorption
- Insusceptible to moisture, for indoor and outdoor use
- Solid absorber, good mechanical properties
- Can be used in new buildings and redevelopments
- Bonded directly to the wall or ceiling without sub-construction and cavity
- Individual color coating possible (spray-on onsite)
- Suitable for walls and ceilings
- Suitable for sports halls (Impact-resistant on ceilings and/or walls excluding the bounce area), test certificate S 2.1/11-235)

Color



grey

Special color finish on site possible.

Dimensions

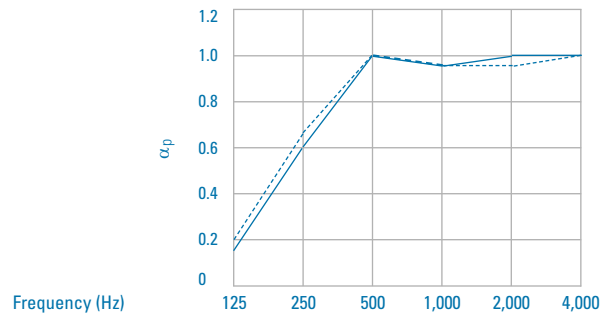
625 x 625 mm

1,250 x 625 mm

Thickness

50 mm

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



d = 50 mm, bonded without color coating

α_p	0.15	0.60	1.00	0.95	1.00	1.00
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d = 50 mm, bonded with color coating

α_p	0.20	0.65	1.00	0.95	0.95	1.00
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Product data phonestop V

Characteristic	DIN	Value
Base material*		Expanded glass granulate without binder
Color**		grey
Apparent density	EN ISO 845	270 kg/m ³ ± 10 %
Compressive strength	DIN 1164	1.2 N/mm ² ± 10 %
Tensile bending strength	DIN 1164	0.5 N/mm ² ± 10 %
Elastic modulus (static)	DIN 1048-5	760 ± 80 N/mm ²
Elastic Modulus (dynamic)	DIN 1048-5	1,020 ± 50 N/mm ²
Thermal conductivity λ	DIN 52612	$\lambda_{10,br}$ 0.08 W/mK
Building material class (fire classification)	DIN 4102 Part 4	A1
Length-specific flow resistance	DIN EN 29053	10 to 20 kPa s/m ⁴
Water vapour diffusion resistance	DIN 52615	25
Freeze-thaw resistance	DIN 12041	0.25 loss in M %
Grammage d = 50 mm		approx. 13.5 kg/m ²
Sound absorption	EN ISO 11654	NRC 0.96 (ASTM C423) α_w 1.0 Class A

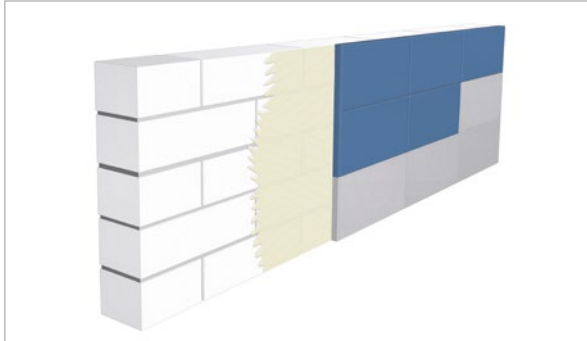
* Awarded the Blue Angel.

** Color variations possible.

Typical fields of application

Office buildings, schools, places of public assembly, staircases, machine and factory buildings, shooting ranges, sound studios, tunnels, public parking, etc.

>> | Contact / Inquiries



Installation advice

Structural element joints must necessarily be observed; under no circumstances may the panels be laid end-to-end to adjacent components such as walls, ceilings, facades, their cladding or similar. If necessary, the external edges of the acoustic material must be protected against mechanical impacts by the customer using an edging bracket or profile.

Uncoated for indoor and outdoor use

The pinta phonestop panels are fixed with the chamfer visible. In case of outdoor use, it is necessary to protect the panels over the whole surface with pinta phonestop Façade Impregnator afterwards. Always make sure that no water may flow into the construction. The system including impregnation will endure heavy rain. The impregnation against high air humidity is not necessary.

Spray-on coloring for indoor and outdoor use

A colorful design can be achieved by coating the panels with pinta phonestop color on the construction site. The colored water-based paint is applied crosswise by spraying instead of rolling. Apply pinta phonestop Acoustic Color pa 84 by using an airless-airgun (spray nozzle 0.011 - 0.025 inch) with a pressure of 170 - 220 bar at an angle of 20° - 30°. Consumption is 0.4 - 0.5 kg/m². When correctly applied, the color will not influence the acoustic effectiveness of pinta phonestop acoustic

panels. In case of outdoor use, it is necessary to protect the colored panels over the whole surface with pinta phonestop.

pinta phonestop acoustic panels

pinta phonestop acoustic panel come with a 10 mm chamfer on the visible side. pinta phonestop is sensitive to impact when not installed.

The acoustic panel is cut on site using a saw (must be suitable for cellular concrete) or usual core bits. Please wear dust protection when processing.

Shelf life

Dry storage, safe from impacts and moisture. Remove protective foil shortly before installation.

pinta phonestop Acoustic Adhesive

Characteristics

Powder mixture with elastifying polymers. Does not contain any asbestos or other mineral fibres. No injurious silica dust during the application.

Fields of application

For bonding pinta phonestop acoustic panels to walls and ceilings. Suitable for indoor and outdoor use.

For small-area leveling of unevenness on the substrate using plaster with a layer thickness of up to max. 5 mm. It's not necessary to bond the panels on the front side.

Building material class (fire classification)

A1 (non-combustible to DIN EN 13501-1), "no contribution to fire" according to decision 96/603/EC.

Test certificate

Certificate no.: 220008761-11-02, MPA, NRW (DIN EN 1348)

>> 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 pro-

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

Substrates

Concrete and concrete components (minimum age 3 months), cellular concrete, cement and lime cement plasters (with manufacturer approval), drywall and gypsum plaster, gypsum plaster boards and fibrous gypsum plaster boards.

Preparation of substrate

The substrate must be sound, clean and able to bear weight. Oil stains, bond-inhibiting surfaces and other residues must be thoroughly removed. Coatings unable to bear weight must be removed. The substrate must be plumb and flush in accordance with DIN 18202. Plaster substrates must be released by the plaster manufacturer for the laying of pinta phonestop acoustic panels (approx. 13.5 kg/m²) and must be suitable for the intended area of use. Before that, level off any small-area unevenness up to 5 mm with the pinta phonestop acoustic adhesive in order to ensure full-surface bonding of the acoustic panels without air pockets. Level off substrate tolerance > 5 mm as well as any large-area unevenness on the walls and ceilings using concrete filler or repair mortar. All substrates must be prepared with pinta phonestop primer „solvent-free“ (see below).

Shelf life

At least 12 months, in dry conditions (no permanent storage over + 30 °C), open bags must be closed immediately after use and be used up quickly.

Working temperature

Substrates: +5 °C to +25 °C. Do not apply at temperatures below + 5 °C and above + 25 °C and under extreme hot and windy conditions.

Application procedure

Place gauging water (approx. 0.37 l per kg dry adhesive)

in a clean mixing vessel. Add powder and mix the mortar with a suitable paddle attached to an electric drill until a plastic, lump-free consistency is achieved. Allow a slake time of approx. 3 minutes, then remix briefly. Use within 3 hours after.

All substrates must be prepared with pinta phonestop primer „solvent-free“ (see below). Apply a thin scratch coat to the substrate and the back side of the pinta phonestop acoustic panels with the smooth edge of the trowel. All pinholes have to be filled. Comb the needed amount of mortar onto the back of the pinta phonestop acoustic panel with a notched trowel (notch size 6 mm). Apply only as much mortar as can be covered during the open time (approx. 30 minutes).

Place the panels on the wall or ceiling and push them into their final position (don't knock them into place!).

Fresh mortar can be immediately removed with water, once the product has cured it can only be removed by mechanical means. Please make sure that the adhesive is not applied to the visible side of the pinta phonestop acoustic panel during installation.

If applied to the ceiling, pinta acoustic recommends to work in teams of two as well as the usage of large-sized scaffolding.

Important note

pinta phonestop acoustic adhesive contains cement. Contact with moisture or gauging water sets off an alkaline reaction which may cause skin irritation and/ or caustic burns to mucous membranes (e.g. eyes). Therefore avoid contact with eyes and skin. In case of contact, immediately rinse with plenty of water and consult a doctor. Wash tools immediately after use, dried adhesive can only be removed mechanically.

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Packaging

25 kg PE lined heavy-duty paper bag

Consumption

 approx. 2.7 kg/m² (notch size 6 mm)

Consumption (level out)

 approx. 1.3 kg/m² per mm plaster layer thickness

Curing times

bearable for further works after approx. 12 hours, fully cured after approx. 3 days

pinta phonestop primer „solvent-free“
Material

Modified synthetic resin dispersion.

Shelf life

at least 12 months, not over + 30 °C, not under 0 °C, protected from frost. Defrost the frozen primer slowly and stir up thoroughly.

Preparation of substrate

The substrate must be sound, clean and able to bear weight. Oil stains, bond-inhibiting surfaces and other residues must be thoroughly removed. Observe the instructions of the gypsum industry concerning the maximum permitted humidity, layer thickness of gypsum substrates and their surfaces.

Fields of application

For priming and solidifying absorbent mineral substrates, e.g. concrete, lime cement plaster, cellular concrete, sand-lime brick and gypsum substrates.

Application procedure

Shake pinta phonestop primer „solvent-free“ well before use. Dilute 1:1 with water and stir thoroughly. Spread primer with a soft brush or flat bristle brush on the cleaned and prepared substrate and generously apply in „criss-cross method“. Avoid puddles forming! For highly absorbent substrates apply a second coat, diluted 1:1 with water. The second coat of primer can be applied after the first coat is dry. Gypsum substrates are to be primed once, undiluted. Check the hardening and drying of pinta phonestop primer by scratching, apply pinta phonestop acoustic adhesive or level off using a plaster afterwards.

Consumption

Substrate	Consumption	Mixing ratio
Absorbent mineral substrates, e.g., concrete, lime-cement plaster, cellular concrete, sand-lime brick	1 st coat: approx. 0.1 - 0.2 l/m ² 2 nd coat: approx. (only for very or extremely absorbent substrates) 0.05 - 0.07 l/m ²	dilute 1:1 with water (extremely absorbent substrates dilute 1:2 with water)
Gypsum substrates	1 coat, approx. 0.08 - 0.15 l/m ²	undiluted
Gypsum substrates	1 coat, approx. 0.05 - 0.07 l/m ²	undiluted

Packaging

10 kg bucket

Working temperature

Substrates: + 5 °C to + 30 °C

Curing times

 1st coat: approx. 30 - 60 min.

 2nd coat: approx. 30 - 60 min.

further works after approx. 60 - 180 min.

pinta phonestop Acoustic Color

Material

Matt, watery fire-retarding dispersion-based paint. When correctly applied, the color will not influence the acoustic effectiveness of pinta phonestop acoustic panels.

Shelf life

Closed, protected from sun and frost approx. 6 months.

Preparation of substrate

Der Untergrund muss sauber und trocken sein.

Application procedure

The colored water-based paint is applied crosswise by spraying instead of rolling. Apply pinta phonestop Acoustic Color by using an airless-airgun (spray valve 0.011 - 0.025 inch) with a pressure of 170 - 220 bar at an angle of 20° - 30°. Clean tools with water immediately after use.

Consumption

Approx. 0.4 - 0.5 kg/m² (wet color)

packaging

20 l bucket

Working temperature

Over + 5 °C

Curing time

Approx. 60 min.

pinta phonestop Impregnator

Material

milky white, clear after drying, solvent-free silicone emulsion

Shelf life

Approx. 12 months in a frost-free but cool place. Use up opened containers as quickly as possible.

Preparation of substrate

pinta acoustic Impregnator can be used on all solid, load-bearing, frost-resistant, absorbent, clean, dry or slightly damp substrates. After cleaning the surfaces with water or after longer periods of rain, allow a drying time of several days before impregnation, depending on weather conditions. Repair any cracks, damaged joints or other defects. Cover off windows, doors and other adjoining areas. Cover plants and bushes.

Application procedure

Shake pinta phonestop Impregnator well in its container before use. Generously apply the impregnation agent with a soft brush or ceiling brush - for larger surfaces use spray application, on vertical surfaces apply a flood coat - until on the dry substrate is saturated and a fluid film of approx. 50 cm runs down the building surface. Avoid spray mist formation. On of horizontal and vertical surfaces: Accumulated material must be soaked up after the impregnation. To achieve deep penetration, apply pinta phonestop Impregnator generously at least twice (wet-in-wet). Avoid spray mist formation. Clean the tools with water immediately after use.

Consumption

Approx. 0.8 l/m²

Packaging

20 l can

Working temperature

+ 5 °C to 35 °C, below 80 % relative air humidity.

>> Effectiveness of the impregnation

The pinta phonestop Impregnator is always applied as last coat on the finished acoustic wall or ceiling. The impregnation is rain-proof after approx. 4 hours, the

full impregnation effect occurs after approx. 4 weeks for approx. 8 to 12 years, depending on specific site conditions.

Checklist

Material

Recycled glass is ground to glass powder and then formed into a raw granulate. The burning process takes place in a rotary kiln at temperatures of up to 900° C. The granulate bulks up following the formation of a low viscosity glass layer, producing a uniform, fine-grained structure. After cooling, the granular mixture is fractionated by means of screening technology. Problem glasses, such as fluorescent tubes or glass used for screens, are not processed.

The acoustic element is rated in building material class A1 according to DIN 4102-4.

The material is solid and extremely pressure resistant. During a second thermal process, the granulate is sintered into Reapor® which is the base material for pinta phonestop acoustic panels.

Grid

- 625 x 625 mm
- 1,250 x 625 mm

pinta phonestop Primer „solvent-free“

- For the preparation of the substrates before bonding the pinta phonestop acoustic panel.

Consumption: approx. 0.1 - 0.2 l/m²

pinta phonestop Acoustic Adhesive

- For bonding of pinta phonestop acoustic panels over the whole surface.

Consumption: 2.7 kg/m²

pinta phonestop Acoustic Color

- Color _____

Please note: color coating is carried out on site by cross-wise spraying.

pinta phonestop Impregnator

- For the impregnation of the finished acoustic wall/ceiling. Outdoor use only.

Consumption: approx. 0.8 l/m²

>> | Contact / Inquiries

Company Stamp:

Quantity:

m²

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