product
data sheet

bindex fire and acoustic sealant

bindex fire and acoustic sealant is an acrylic based sealant designed to stop sound, smoke and fire from passing through gaps in fire rated walls.

It has been fire tested to AS1530.4 for control joints, perimeter seals and penetration seals around cables and metal pipes. When it is exposed to heat, it provides a fire barrier by expanding and forming a solid charred material.

The acrylic formulation means water wash up, easier application, a paintable surface and low volatile chemical content for a low odour product. **bind**ex fire sealant can be used during plasterboard installation to replace the need for setting joints in multi-layer systems and butt joints in single layer systems.

performance

Fire
Suitable for fire resistant penetration seals and perimeter seals as detailed in the Siniat Blueprint.

Acoustics
Maintains the acoustic rating of Siniat systems up to at least Rw 66 and Rw+Ctr 55.

Colour
Lilac for easy identification.

key benefits

- **Water wash up**
- **Compatible with Siniat systems**
- **Low VOC**

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product information

product size	600mL foil tube
drying time	>Tack Free Time: 60 minutes maximum >Skin Time: 20 minutes maximum
density	1.60 - 1.64 g/cm³
solids content	80% minimum
limitations	Should not be used in permantently damp areas or in joints with high movement
clean up	Wash with water before cured
shelf life	At least 12 months when stored in unopened packaging at temperatures between 5°C and 30°C
maximum joint movement	12.5%
voc	<50g/L

application

Refer to the Siniat Blueprint for certified applications such as sealing metal pipes and cables, and sealing around plasterboard walls. Holes for penetrations for pipes and cables must be no closer than 40mm from each other.

All surfaces must be clean and free from dirt and grease. Use a brush to remove loose material. Lightly apply water or diluted **bind**ex fire and acoustic sealant to porous materials to improve bonding. The surfaces may be damp but not running wet. For the best bond, overlap **bind**ex fire and acoustic sealant onto the material surfaces. The application range is in temperatures between +5° C and +40° C.

Jointing Sheets

Single layer butt joints and multilayer recessed and butt joints can be jointed with **bind**ex fire sealant and maintain the fire rating of Siniat wall systems. A bead of sealant is applied along the edge of a face layer sheet of plasterboard, then the next sheet is butted up against the first sheet. Sealant must squeeze out of the joint. Excess sealant may be scraped off or left as is. Single layer butt joints must be backed with framing.

optimise product performance by:

— Storing under cool dry conditions.

— Avoid storage temperatures above 30°C and below 5°C.

application

backing materials

The best way to accurately control sealant depth is to use backing material (e.g. Polyethylene foam or Polyurethane backing rod). Cable tray openings are lined with steel track and the cavity may be stuffed with a backing material the same depth as the stud, such as Polyethylene foam. Control joints must use a backing material such as Polyethylene foam or Polyurethane backing rod. Pipe and cable penetrations can be sealed with foam backing or by using the 'no backing material' technique. Refer to Siniat Blueprint. To apply Polyurethane backing rod to a pipe penetrating a cavity wall or ceiling;

- Cut a piece of rod to the length of the circumference of the pipe.
- Join the rod around the pipe using tape.
- Push the circle of foam rod past the plasterboard, just until it enters the wall cavity.

To seal around cables or metal pipes without a backing material;

- Use a nozzle cut to a diameter which is appropriate for the gap. For example, use a 5mm diameter nozzle for a small gap of 5mm to 10mm.
- Apply sealant, attempt to fill gap to the full depth of plasterboard by filling outwards.
- Apply an extra bead of sealant 10mm high.
- Push this bead into the gap with a small tool.
- Apply a 20mm fillet as shown in the construction details.

perimeter seals

Fill a gap by applying the sealant from the back of the cavity or joint, filling outwards in a smooth and continuous action. Push sealant into the gap as it is finished flush with the joint sides within five minutes of application, before surface skinning occurs. A small amount of shrinkage will occur on curing. If a flush finish is required, fill the joint slightly proud of the surface to allow for shrinkage.

The fire testing standard, AS1530.4 has permissible variations to tested systems that are useful for **bind**ex fire and acoustic sealant:

- Results obtained from framed wall systems may be applied to the performance of a system in concrete, masonry or solid gypsum blocks of greater or equal thickness to that of the tested prototype. The reverse does not apply.
- Results obtained from a prototype test may be applied to framed wall systems of similar construction but having thicker facings of the same material applied to the studs.

All Siniat products have been developed to meet the specific needs of the Australian market. Products manufactured in Australia comply with quality systems certified as complying with AS/NZS ISO 9001:2008 and meet the requirements of AS/NZS 2588, Gypsum Plasterboard.

The following Siniat products have been independently certified by Global GreenTag to GreenRate Level A: **masta**shield, **fire**shield, **fire**shield h, **sound**shield, **water**shield, **span**shield, **multi**shield, **curve**shield, **opal**, **tru**rock and **tru**rock hd. Compliance certificates are available on siniat.com.au.

All Siniat plasterboard and metal products are available on the Siniat Carbon Neutral Opt-In program to help you meet your sustainability goals. Visit siniat.com.au to find out more.

Disclaimer

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warranty

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