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340 BRANDSCHUTZ B1

(Fire Protection)

Special permanently elastic 1-component sealant meeting fire protection requirements.

Tested to DIN 4102 Building material class B1: Hardly inflammable

- Basis: neutrally cross-linking oxime system
- Tensile strength: 1.2 N/mm² (DIN 52455)
- Tearing strength: 1.56 N/mm²
- Shore hardness transparent: ~25 (DIN 53505)
- Shore hardness coloured: ~35 (DIN 53505)
- Shrinkage: ~6%
- Density: ~1,4 g/cm³ (DIN 52451)
- Not suitable for being covered with paint coats
- Temperature resistance: -50°C to +250°C
- Movement capability: approx. 25%
- Processing temperature: +5°C to +35°C
- Skin over time: 10-20 minutes (depending on air humidity)
- Storage life: 12 months in a cool and dry place
- Colours: black, white, grey, brown, transparent
- Packaging: 310ml cartridges

Characteristics

340 BRANDSCHUTZ B1 is a silicone rubber ready for use characterised by its high heat resistance. When fire protection glass, fire protection doors, and penetration seals are subjected to the impingement of flames according to Austrian standard B 3800 and B 3850 for a period of 30 minutes the sealant is **not** ignited by the temperature to which it is exposed on the side not exposed to the fire. 340 BRANDSCHUTZ B1 is compatible with laminated safety glass, UV-resistant and contains fungicidal/fungistatic agents. The sealant is highly weather and ageing resistant and non-corrosive. Building material class B1 is imperative for achieving different fire resistance classes in building components, as e.g. F30 or F60. Building material class B1 is achieved only when the product has cured completely. After curing 340 BRANDSCHUTZ B1 is totally odourless, physiologically harmless and inert.

Application

340 BRANDSCHUTZ B1 is suitable for fire retardant and fire resistant sealing of single panes and insulating panes in wood, aluminium, and steel windows, and for sealing expansion joints and butt joints in metal construction. Compatibility with the edge sealing material of the insulating glass must be ensured.

Processing

Before application make sure that all building materials getting in contact with the sealant are compatible with the sealant.

Preparation of adherent surfaces: The adherent surfaces must be solid, dry, and free from dust, grease, and oil. Prime adherent surfaces carefully if required. Not suitable for tarry and bituminous substrates.

Joint design: In case of joints accommodating movement the joint dimensions must be chosen according to the maximum allowed distortion. A minimum joint cross section of 3x5 mm is imperative. Use a closed-cell PE backer rod or a suitable fire protection section for backfilling depending on the requirements of the given case. Compatibility of the backfilling materials must be determined by the user.





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Introducing the sealant: 340 BRANDSCHUTZ B1 must be introduced into the joint evenly and without bubbles while the product is within the processing temperature range. When priming the substrate take into account the open time of the primer. Ensure good adhesion to the joint edges by applying pressure during finishing work. When using a smoother remove any strips of water immediately after sealing. If cleaning is delayed permanent streaks may remain.

Primers Concrete, brickwork, wood: Primer 70
 Aluminium and other metals: Primer 140

Take into account the open time of the primer, the instructions for application in the Technical Data Sheet as well as the safety advice for the PRIMER. The data sheets are available upon request.

Limitations of application

Adhesion tests are imperative before applying 340 BRANDSCHUTZ B1 to any substrates (areas) previously treated with water-dilutable paint systems. In case of poor adhesion the substrate must be primed. In case of areas covered with a white varnish/enamel coat the elements should be stored in an upright position at a minimum distance 5 cm after sealing in order to ensure ventilation. In rooms where dispersion paints are applied it must be ensured that the coats are completely dry and ventilated since combination with 340 BRANDSCHUTZ B1 may result in discolouration of the sealant when sealing joints indoors. Avoid contact with bituminous materials and with materials releasing plasticisers.

Attention!

Keep out of the reach of children. Avoid contact with eyes and skin. In case of contact rinse immediately with plenty of water and seek medical advice. During curing low quantities of oxime compounds are released. Therefore it is imperative to ensure efficient ventilation/extraction during processing and curing.

Safety advice

Refer to our current EC Data Sheet. Data sheets are available at any time on our website www.ramsauer.at.

Priming table

	Coloured	Transparent
Glass	+	+
Tiles	+	+
Pinewood	+	+
Concrete, wet ground	+	+
Concrete, smooth according to formwork	+	RP 70
Steel DC 04	+	+
Hot dip galvanised steel	+	+
High grade steel	+	+
Zinc	+	+
Aluminium	+	+
Aluminium AlMg1	+	+
Aluminium AlCuMg1	+	+
Aluminium 6016	+	+
Aluminium anodised	+	+
Brass MS 63 Hardness F 37	+	+
Rigid PVC Kömadur ES	+	RP 100
PVC plasticised	+	+
PC Makrolon Makroform 099	-	-
Polyacryl PMMA XT 20070 Röhm	WP 40	WP 40
Polystyrene PS Iroplast	RP 100	+
ABS Metzoplast ABS 7 H	RP 100	RP 100



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PET	+	+
PU cut-back quality	+	+
Copper	+	+
Polycarbonate	-	-
PMMA Röhm sanitary quality	WP 40	WP 40
Mirrors	-	-
Natural stone	-	-

Legend: + = adheres well without a primer
- = not suitable
WP/RP = Ramsauer primer

This table is based on adhesion tests with test solids of Rocholl corporation under laboratory conditions. Under field conditions the adhesion characteristics are dependent on a variety of external factors (weather, impurities, burdens, etc.). Therefore this table serves for guidance only and does not constitute any binding statement. For more information get in touch with our application engineering department.

Liability for defects

The information provided including but not limited to the proposals for processing and using our products are based on our knowledge and experience, usually at the time of going into print. The results of work may deviate from this information depending on the specific circumstances, in particular with respect to substrates, processing and environmental conditions. Therefore, neither this information nor any oral counselling shall constitute warranty or give rise to any liability on whatever legal ground for any specific result of work, unless we acted intentionally or by gross negligence. Ramsauer warrants that its products will have the technical characteristics according to the Technical Data Sheets up to their expiry date. Product users must consult the latest data sheet which is available upon request. Our current General Terms and Conditions apply which are available for download on our website www.ramsauer.at at any time.