



RAMSAUER®
DICHTSTOFFE

160 ACRYL

Tested to DIN EN ISO 12572 and EMICODE EC1-R “very low emission”.
Phthalate-free.

- Tensile strength: 0.3 N/mm²
- Density: 1.54 g/cm³ (ISO 1183 method B)
- Shore hardness: ~ 24 (ISO 868)
- Temperature resistance: – 20°C to + 80°C
- Processing temperature: +5°C to + 40°C
- Skin formation time: approx. 10 min. (23°C / 50 % RLF)
- Movement capability: ~ 20 %
- Volume shrinkage: < 15 %
- Tear strength: 0.25 N/mm² (DIN 52455-A1)
- Resilience: > 50 %
- Curing time: ~ 2 mm in 12 hours; ~ 4 mm in 1 week
- Storage life: 12 months in a dry place protected from frost
- Colours: white, dark brown, and grey
- Packaging: 310ml-cartridges, 400ml- and 600ml foil bags

Characteristics

160 ACRYL is a plasto-elastic 1-component joint sealant on an acrylate basis ready for use, suitable for concrete, porous concrete, plaster, brickwork, wood, etc. Ramsauer 160 ACRYL forms a surface skin already after one hour and cures forming an elasto-plastic material which does not embrittle within 1 - 2 weeks depending on weather conditions. Suitable for vapour-proof indoor sealing according to applicable standards when applied properly. Compatible with paint coats according to DIN 52452.

Application

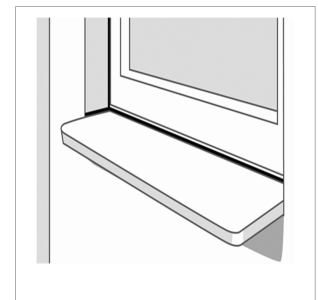
160 ACRYL is used for joints and connections subjected to low tensile stress, e.g. connection joints between wooden window frames and brickwork, concrete, plaster, natural stone, connections to concrete and cement components. For sealing windows and door frames, exposed aggregate concrete façades, pre-fabricated structural units of porous concrete, and for gluing styrofoam. Highly suitable for interior finishing.

Processing

Efficient sealing work requires adequate joint dimensions and preparation of adherent surfaces. A solid, clean, grease-free and structurally perfect substrate is a must in order to achieve maximum adhesion. 160 ACRYL adheres to a variety of substrates without a primer. In order to improve adhesion we recommend priming in any case, using a 1:1 to 1:2 primer mixture of 160 ACRYL and water. Do not start to seal joints before the primer coat has cured. Do not work when it is raining or might start to rain. 160 ACRYL must be introduced into the joint evenly by means of a manual press or compressed air press after preparatory treatment of the joint, and must be smoothed with a spreader before the skin over time has passed. Protect the fresh sealant from washing out, condensation water and fog.

Limitations of application

160 ACRYL must be protected from rain and solvents until a solid skin has formed (for approx. 12 hours). After drying for one week (at standard temperate atmosphere) the sealant can be covered with a paint coat according to DIN 52452. It is compatible with most aqueous paints. However, in view of the wide variety of paint systems available on the market we recommend to test the





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compatibility of sealant and paint. Early painting or expansion of the joint may cause cracks in the paint coat. Choose the sealant according to the intended paint coat if possible. Not suitable for underground structures, underwater joints, and sealing of silicatic substrates, such as glass, enamel, and ceramics. Not suitable for joints passable by walking or vehicles. Avoid contact with bituminous materials and materials containing plasticisers.

Protection at work and health protection

Avoid swallowing the product and avoid any prolonged or repeated skin contact. Keep out of the reach of children.

Safety advice

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

Advice for application

Ensure sufficient ventilation during processing and curing. In view of the large number of factors which may affect processing and application the user must always try the specific application in an experiment before using the product. Take into account the expiry date of the product. The product is not suitable for gluing full areas. The curing time increases with the thickness of the layer. Before using the product in layers with a thickness of more than 15 mm get in touch with our application engineering department. Acrylates are subject to colour changes during the curing/drying phase due to the nature of the material. The product will have its final colour only after drying completely. Storage and/or transportation of products at increased temperature/air humidity for a prolonged period of time (several weeks) may result in a reduction of storage life and/or changes of characteristics of the product.

Priming table

Glass	-
Tiles	-
Pinewood	+
Concrete, wet ground	+
Concrete, smooth according to formwork	+
Steel DC 04	Ø
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	-
PVC plasticised	-
PC Makrolon Makroform 099	Ø
Polyacryl PMMA XT 20070 Röhm	-
Polystyrene PS Iroplast	Ø
ABS Metzoplast ABS 7 H	+
PET	-
PU cut-back quality	+
Copper	-
Polycarbonate	Ø
PMMA Röhm sanitary quality	-
Mirrors	-



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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.