

160 ACRYL



RAMSAUER®
DICHTSTOFFE

1-component sealant on an acrylic dispersion basis

TESTS, COMPLIANCE WITH STANDARDS

DIN EN 15651-1 F20LM Ext.-Int.

DIN EN ISO 12572

Emicode EC1-PLUS R "very low emission"

Meets the French VOC-requirements for class A+

TECHNICAL DATA

Basis: Acrylate dispersion

Skin over time: ~ 11 min. (23°C/50 % relative humidity)

Curing time: ~ 2 mm/24 hours (at +23°C / 50 relative humidity)

Density: ~ 1.624 (EN ISO 1183-1)

Shore hardness: ~ 24 (EN ISO 868)

Shrinkage: ~ 18 (EN ISO 10563)

Sag resistance: <3

Elastic recovery: > 60 %

Elongation at break: ~ 180% (EN ISO 8339)

Movement capability: ~ 20%

Temperature resistance: - 20° C to + 80° C

Processing temperature (substrate, environment): +5° C to + 40° C

Storage life: 12 months in a dry place protected from frost in original container

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 a material which does not embrittle within 1 - 2 weeks depending on weather conditions. The product is suitable for vapour-proof indoor sealing according to the applicable



standards when applied properly. Compatible with paint coats according to DIN 52452.

APPLICATION

160 ACRYL is used for sealing joints and connections subjected to medium 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 facades, prefabricated structural units of porous concrete, and for gluing styrofoam. Highly suitable for interior finishing.

MEETS THE REQUIREMENTS OF IVD-INSTRUCTION SHEETS

As of the date of publication of this data sheet, IVD-instruction sheets No. 12 and 16 are available in English. The other instruction sheets mentioned below are available in German only.

No. 9: Spritzbare Dichtstoffe in der Anschlussfuge für Fenster und Außentüren (Sprayable sealants in connection joints for windows and outside doors)

No. 12: The paintability of movement accommodating sealants in building construction - requirements and implications

No. 16: Perimeter joints in dry construction - applications of gun-grade sealants

No.20: Fugenabdichtung an Holzbauteilen und Holzwerkstoffen. Einsatzmöglichkeiten von spritzbaren Dichtstoffen (Sealing of joints in wood components and wood-based materials. Range of applications of sprayable sealants)

No. 29: Fugenarbeiten in Maler- und Lackiererhandwerk (Sealing of joints in the painters' and varnishers' trade)



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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 climate) 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 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. The product is 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.

SAFETY ADVICE

Consult the current EC Safety Data Sheet which is available at any time on our website at www.ramsauer.at.

PROTECTION AT WORK AND HEALTH PROTECTION

Avoid swallowing and prolonged or repeated skin contact. Keep out of the reach of children. Consult our Safety Data Sheet.

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. This sealant is not suitable for full surface bonding. The curing time increases with the thickness of the layer. Before using the sealant 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
Polyacrylic PMMA XT 20070 Röhm	-

Polystyrene PS Iroplast	Ø
ABS Metzoplast ABS 7 H	+
PET	-
PU blend quality	+
Copper	-
Polycarbonate	Ø
PMMA Röhm sanitary quality	-
Mirrors	-
Natural stone	-

Legend: + = adheres well without a primer
 - = not suitable
 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 is 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.



QUALITY YOU CAN RELY ON

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