Technical Data Sheet v.2, April 2026

RUBSON
AB Acrylic Building

High performance one-part elastic acrylic sealant for movement joints.

CHARACTERISTICS

RUBSON AB Acrylic Building is a one-part elastic joint sealant, based on an acrylic dispersion in aqueous phase. RUBSON AB Acrylic Building is a non-sag sealant for indoor and outdoor joints with high movement capability.

- Very high elasticity
- Overpaintable (see notes on application)
- Excellent compatibility with paints
- Easy to apply / very good application and tooling properties
- Good adhesion to many substrates without primer such as concrete, wood etc.
- Even bonds to damp, absorbent substrates without primer
- Virtually odorless
- Free from phthalate plasticizers
- High durability

APPLICATION FIELD

- Sealing of connection joints with high movements indoor and outdoor
- For connection joints around window and door frames (wood, metal, PVC), windowsills, drywall constructions, ceilings, PVC-pipes/conduits etc.
- Movement joints in facades
- Thermal insulation composite joints
- Aerated concrete connection joints
- For sealing of connection joints on substrates such as plaster, concrete, aerated concrete, brick, plasterboard, aluminum, wood, PVC, etc.
- Heavy and lightweight precast joints
- Connection between EWI (ETI) elements
- Sealing cracks and masonry joints
- External perimeter joints around windows

STANDARDS

EN 15651-1 (CE marking)	Product type F-EXT-INT: sealant for facade for interior and exterior application
IVD-Instruction Sheet No. 9	Perimeter joints of windows and exterior doors
GEV EMICODE®	EC 1 PLUS (very low emissions)
VOC emissions labelling (France)	Class A+

INSTRUCTIONS FOR USE

RUBSON AB Acrylic Building is supplied ready to use and can be applied from the cartridge using a standard air or hand operated gun, with no special pre-treatment.

The joint width must be designed to suit the movement capability of the sealant.

- In general, the joint width should be > 10 mm and < 30 mm if movement is to be expected. A width to depth ratio of ~1:0.5 should be maintained.
- Recommended minimum joint width for joints around windows and doors: 10 mm
- For triangular joints the sides should be 6 mm minimum.

Joint preparation
The substrates to seal should be clean, dry and free of dust, oils, grease and loose particles. Comply with DTU 44.1 and 42.1 requirements for preparing joints and cracks. Porous substrates (e. g. concrete, plaster, wood…) should be wetted well before applying the sealant. Where necessary completely remove old sealant and other residues. Surfaces can be degreased with the appropriate cleaner. To achieve visually appealing joints, we recommend masking the joint edges with a suitable adhesive tape. Open cracks to a minimum width of 5 mm and depth of 10 mm in accordance with recommended practices. After joint and substrate preparation, insert backing rod (closed cell, PE-foam backing rods) to required depth if necessary.

Application
Cut off the top of cartridge cap above the thread, screw on the plastic nozzle and cut at an angle to match the joint strand width required. Insert the cartridge into a sealant gun and inject sealant into the joint making sure that the sealant is in full contact with the sides of the joint and avoid air entrapment.

Tooling
Directly after application, the product should be tooled firmly against the joint sides to ensure good adhesion. The joint can be lightly sprayed with clean water before tooling. Remove the masking tape whilst the sealant has still not formed a skin and tool the joint to a smooth surface with water. Remove water residues and protect the surface of the sealant from water (rain) until a skin has formed.

Cleaning tools
Fresh, uncured product can be removed with water. Clean tools and application equipment with water immediately after use. Cured sealant is insoluble in all solvents and can only be removed mechanically (e.g. with knife).

TECHNICAL DATA

Uncured product

Chemical base	Acrylate dispersion, waterbased	
Odour	Characteristic	
Application temperature, (substrate and ambient), °C	+5 to +40	
Consistency	Non-slump paste	
Density, g/cm^3	~ 1.57	ISO 2811-1
Resistance to flow, mm	~ 0	ISO 7390
Skin formation time, minutes	~ 20	23°C, 50% r.h.
Curing speed, days/mm	~ 10/5	23°C, 50% r.h., bead 20x10 mm

Cured product

Odour	odorless	
Shore A hardness	~ 18	ISO 868
100% Modulus, N/mm^2	~ 0.1	ISO 8339-A
Elongation at break, %	~ 180	ISO 8339-A
Shrinkage, %	-22	ISO 10563
Movement capability, %	12.5	
Recommended joint width, mm	max. 30	
Service temperature, °C	-20 to +80	

LIMITATIONS

Sealants may only be painted over if the coating is able to follow the movements of the sealant (in general if joint movements are < 5%, depending on the coating) – otherwise cracks in the surface of the coating can occur. The product can be painted over with commercially available paint, varnish and glaze systems. Can be recoated after 6 hours for water-based paints and 24 hours for solvent based paints. Before use, pre-tests for paint compatibility and overpaintability are recommended.

Cracks sealed with RUBSON AB Acrylic Building can be covered with a water-based acrylic waterproofing system (according to DTU RUBSON AB Acrylic Building). Cover (excluding solvent-based fixatives) with a suitable 42.1 performance waterproofing system (according to DTU I2, I3 or I4). Do not apply when rain or frost is imminent. Protect from rain after application for 42.1. During curing 1 hour minimum must be protected from frost. After curing the product is waterproof and frost resistant.

Application during high temperature changes is not recommended (crack formation due to movements during the curing).

Do not use RUBSON AB Acrylic Building as glazing sealant, in floor joints, on marble/natural stones, on bituminous substrates, natural rubber, chloroprene, EPDM or on building materials which might bleed oils, plasticizers or solvents which could attack the sealant. Do not use on easy corroding substrates like blank steel, iron etc.

Not suitable for joints with water pressure or joints with permanent water immersion (underwater systems, sanitary installations, flooring joints, balconies and terraces). Do not use RUBSON AB Acrylic Building to seal bathtubs or washbasins.

Color deviations may occur e. g. due to exposure to chemicals or high temperatures. However, a change in colour does usually not affect adversely the technical performance or the durability.

GENERAL INFORMATION

Surfaces

The product is suitable for many types of construction materials: concrete, brick, fibre-concrete, painted metals, lacquered aluminum, anodized aluminum, wood, PVC etc. No adhesion to PE, PP, PTFE(Teflon®). Not recommended for marble, tile, ceramics. On plastics and paints the adhesion properties should be tested before use. In cases of unknown materials or critical applications adhesions tests are recommended or contact our Technical Service.

Storage

18 months from date of production if stored in unopened original cartridges, in dry conditions and protected from direct sunlight at temperatures between +10ºC and 25ºC.

Chemical resistance
The product is not recommended for applications with permanent contact with chemicals. Poor resistance to aromatic solvents, organic acids, concentrated alkalis and concentrated acids, chlorinated hydrocarbons, detergents. In cases of other chemicals contact our Technical Service.

HEALTH AND SAFETY

Before using the product please see related Safety Data Sheet that is available on request at 09 69 32 09 30 or on our website https://mysds.henkel.com/index.html.

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