

Technical Data Sheet

Liquid Rubber® AB Sealant

AIR-TIGHT COATING FOR INTERIOR APPLICATIONS

PRODUCT DESCRIPTION

AB Sealant is an elastomeric styrene emulsion based on water that is applied cold. The product is a 1-component coating and can be applied with a brush, roller or airless spray system.

AB Sealant is designed for a wide range of airtight solutions inside buildings. After curing, the product forms a seamless and flexible membrane with excellent adhesion, elasticity and strength. The coating is solvent-free, fast curing and fully UV resistant.

AB Sealant is environmentally friendly and suitable for interior applications without the need for special protective equipment. **AB Sealant** is suitable for, among others, window and frame connections, floor-wall connections, prefabricated element joints, pipes and penetrations, as well as sealing cracks and joints.

AB Sealant adheres to various common substrates and is specifically developed to achieve durable airtightness within buildings and structural details.

APPLICATION

General

AB Sealant is an environmentally friendly water-based product designed for creating airtight connections within buildings. After curing, the product forms a seamless, flexible membrane with excellent adhesion and elasticity.

AB Sealant is a 1-component product that can be applied with a brush, roller or airless spray system. The product is designed for a wide range of interior airtight applications and adheres to various common substrates.

Preparation and Application

AB Sealant must be applied to a dry substrate that is free of dirt, dust, oil, or grease. Application is not recommended in rainy or humid conditions.

For bridging open joints or seams, the use of LRE StretchFoam as backing material is recommended before applying **AB Sealant**. It is also possible to apply Geotextile between two wet layers of **AB Sealant** to bridge an open joint or seam.

Consult a Liquid Rubber Europe account manager for further information.

Consumption and Drying Time

AB Sealant is applied with a minimum consumption of 1.25 kg per m² to achieve an airtight seal.

At an ambient temperature of approximately 20 °C, **AB Sealant** becomes surface dry within 1–2 hours and fully cured within 24 hours. Drying time may vary depending on temperature and relative humidity.



LIMITATIONS

When applying with an airless spray system, standard hand and face protection must be used. Consult the safety data sheet for additional information.

Do not dilute with water.

Do not apply at temperatures below 5 °C.

Do not expose to frost.

Do not apply during rain.

Stir thoroughly before use.

Smooth surfaces should be roughened to ensure optimal adhesion.

WARNING

For industrial use only. Keep out of reach of children.

Do not store in direct sunlight or at temperatures below 5 °C.

Always consult the Safety Data Sheet (SDS) before use.

TECHNICAL SERVICE

T: +31(0)297587866

F: +31(0)297587861

E: info@liquidrubbereurope.com

W: www.liquidrubber.nl

Groot Mijdrechtstraat 15
3641 RV Mijdrecht

PHYSICAL PROPERTIES (LIQUID)

| Property | Typical Results |
|----------------------------------|----------------------|
| Color | White |
| Specific gravity | 1.24 |
| Odor | None |
| Volatile Organic Compounds (VOC) | Contains no solvents |
| Shelf life | 12 months |
| Viscosity, Brookfield (cps) | 38.000–41.000 |
| Non-volatile content (weight) | 57–59% |
| Non-volatile content (volume) | 84–86% |

COVERAGE

Cured membrane

| | | |
|-------------------|---------------------------------|----------------------------|
| mm 1.00 | kg/m² 1.25 | sealing airtight |
|-------------------|---------------------------------|----------------------------|

PERFORMANCE (CURED MEMBRANE)

| Property | Typical Results |
|-----------------------------|--|
| Airtightness – EN 1928:2000 | Passed |
| Texture | Smooth |
| Drying time | Surface dry - 1 hour Hard dry - 4 hour Overcoatable - 4 hour |
| Adhesion to sand-lime brick | 1,5 N/mm ² |
| Adhesion to PVC | 1,4 N/mm ² |
| Adhesion to zinc | 1,3 N/mm ² |
| Adhesion to aluminium | 2,4 N/mm ² |
| Adhesion to concrete | 3,7 N/mm ² |
| Adhesion to wood | 2,7 N/mm ² |

These technical data have been obtained from controlled laboratory tests under ideal conditions. No guarantee is given for any performance characteristic, and we accept no liability for any consequential damage of any kind arising from the use of our products. In the event of a proven product defect, our liability is limited to replacement of the coating only. It is the responsibility of the user to verify the validity of the product data sheet.

DECLARATION OF PERFORMANCE

according to Regulation (EU) No 305/2011
(Construction Products Regulation)