

Installation of LiquidElast® Type S

With LiquidElast® Type S liquid waterproofing, component surfaces and joints can be reliably sealed against high-pressure water. These two installation cases are described in more detail below.

LiquidElast® Type S is moisture curing, which means that high air temperatures or high humidity in the ambient air accelerate the curing process, while low temperatures slow down the curing process.

Cured residues can be removed mechanically using a scraper or a spatula. In case of any uncertainties, please contact our application technology department.

SURFACE PREPARATION

01 - Clean surface

Surfaces must be solid and load-bearing and free from dust, grease, oils and other separating materials. The substrate must be damp but not wet with a visible film. Suitable surfaces include concrete and other mineral building materials as well as plaster-board, wood, PVC, ceramics, etc. In case of doubt, we recommend a preliminary test.

02 - Pretreatments for surface renovation

For surface renovation of concrete surfaces and old fixed sanded bituminous membranes, we recommend pre-treatment of the surface with LiquidElast® Primer to close the pores and as a base coat.



PROCESSING AS SURFACE COATING

03 - Application of LiquidElast Type S

LiquidElast® Type S is applied directly to the surface with a short velour roller or tassel (small areas can also be applied with a brush) to a thickness of approx. 1 mm. If the surface is suitable, no primer is required. For the load cases of accumulating seepage water and high-pressure water, a second coat must be applied transverse to the direction of application of the first coat. This can be done after a stable film has formed (approx. 6 to 12 hours).

In case of special stress (movement in the adhesive substrate, pressing water, light mechanical load, ...) as well as in corner areas, the additional application of a reinforcing fabric is recommended, e.g., to seal surfaces, construction and butt joints up to a water height of 10 m. Narrow joints up to a width of 1 mm can be sealed against water depths of up to 10 m by applying a reinforcing fabric in the double layer LiquidElast® Type S coating (AbP tested). When renovating sanded bituminous membranes and surfaces with very high UV exposure, apply a further thin layer of LiquidElast® S. This layer has to be covered completely (sanded) e.g. with shale chippings.



PROCESSING AS JOINT SEALANT

01 - Insert filling cord

A 3-flank adhesion to the joint base is to be prevented by inserting a suitable joint backfill cord or a strip of polyethylene

02 - Mask joint edges (optional)

It is advisable to mask the edges of the joint with adhesive tape to ensure a clean joint.

03 - Placing in the joint

The sealant must be applied to the joint without leaving any cavities or bubbles. A good adhesion to the joint flanks must be ensured by pressing and smoothing. The maximum sealant thickness in one work step should not exceed 5 cm. For deeper joints, the addition of a hardener/accelerator paste is recommended.

04 - Smoothing the joint

Pure liquid soaps (not diluted with water), e.g., washing-up liquid, are suitable as smoothing agents. Remove the adhesive tape immediately after smoothing.



AFTERTREATMENT

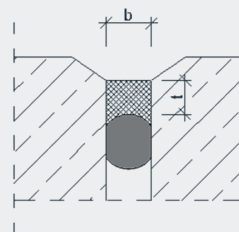
Protect LiquidElast® from moisture during the period of stable skin formation. After complete curing of the sealant, it must be protected from mechanical damage if necessary. LiquidElast® type S is paint-compatible/paintable.

CONSUMPTION AND MINIMUM JOINT COMPOUND

As a surface sealant, the consumption is 1.5 kg / m² for a single coat of 1 mm thickness, for a double coat of 2 mm thickness approx. 3 kg / m². When used as a joint sealant, ensure that the joints are sufficiently wide (≥ 5 mm) and deep (≥ 10 mm and ≥ ½ width).

Calculation as joint sealant:

Consumption: 1.5 g / cm³
 Joint compound [g / m] = b × t × 150



YOU HAVE FURTHER QUESTIONS?

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Issue 06/20 – In all cases of doubt, the technical data sheets and the general building authority test certificates, which these instructions are intended to supplement, apply. These assembly instructions have been technically revised. Previous editions are invalid. In case of a technically revised new edition, this edition loses its validity. Please find out whether you are in possession of the current edition.