

SL-PU-Membrane

Description

SL-PU-Membrane is an elastic solvent free, high viscosity, two component polyurethane resin based sound dampening membrane.

SL-PU-Membrane is used as a crackbridging layer for car parking decks. Due to its great tensile strength and elongation it is the ideal solution as an intermediate layer for intermediate car parks.

SL-PU-Membrane can withstand challenging weather conditions such as freezing temperatures.

Applied as a crackbridging membrane layer in OS 11 systems.

Form

Component A: Liquid, yellowish

Component B : Liquid, yellowish to brown

Application at different stages and combining different batch numbers in one project could result in slight matting differences, to avoid this:

Order all materials for your project at the same time.

Packaging

Component A: 15 kg
Component B: 5 kg
Component A+B: 20 kg set

Shelf life/storage

Up to 12 months from date of production if stored correctly in the original, unopened and undamaged sealed packaging and stored dry between +15 °C and +20 °C.

Mixing

Mixing ratio: Component A: Component B = 75:25 (parts by weight)

Consumption

Typically 1,5 - 2 kg/m².

Properties

Great elasticity and tensile strength

Sound dampening up to 20 dB

Crack bridging membranes

Easy to apply

Excellent bond to substrate

Mixing Ratio A:B 75:25

Working time at 23°C 20 min

Ready for traffic at 23°C 12 hours

Fully cured 23°C 7 days

Substrate preparation

All substrates must be structurally sound, clean and dry and free from oil, grease and loose material and any other contamination which might impair adhesion.

The substrate should be primed with a primer prior to application.

The tensile strength of the substrate should exceed 1.5MPa. The residual moisture content should be less than 4%.

SL-PU-Membrane should be applied when substrate temperatures are constant or falling to minimise the risk bubble and void formation due to expansion of air within the substrate when temperatures are rising. This is particularly important to note on external applications.

The curing reactions are influenced by the ambient, material and substrate temperatures.

Low temperatures lengthen the pot life, open- and curing times. High temperatures shorten pot life, open- and curing times. The temperatures should not fall below the minimum stated until the material is fully cured. The temperature of the substrate must be at least 3°C above the dew point both during the application and for at least a further 24 hours (at 15°C).

Application

SL-PU-Membrane is supplied in prepacked units. Before mixing, precondition both A and B components to a temperature of approximately 15 to 20°C. Pour the entire contents of part B into the container of part A.

Mix with a low speed (ca.300 rpm) electric drill and paddle for at least 3 minutes until homogeneous.

Scrape the sides and the bottom of the container several times during mixing to ensure complete mixing.

Keep the mixing head submerged to avoid entrapping air. Do not work out of the original container. Decant the mixed material into a fresh container and remix for another minute.

SL PU Membrane is applied by squeegee and subsequently spike rolled.

Cleaning/maintenance

Tools should be cleaned immediately after use with an appropriate solvent.

To maintain the appearance of the floor after application, the floor system must be kept clean and all spillages removed immediately.

The floor must be cleaned regularly using a rotary brush, mechanical scrubbers, scrubber dryer, high pressure washer, wash and vacuum techniques etc.

Always use suitable detergents and waxes.

Clean the floor with tepid water. Never use hot water (warmer than 40 °C).

Value base

All technical data stated in this technical data sheet is based on laboratory tests.

Actual measured data may vary due to circumstances beyond our control.

Health and safety information

For information and advice on how to the safely handle, store and dispose of chemical products, users should refer to the most recent material safety data sheet containing physical, ecological, toxicological and other safety related data.

Legal notes

This information, and in particular the recommendations related to the application and end use of Quartzline products, is provided in good faith based on our current knowledge and experience of the products. It is valid for products that are correctly stored, treated and applied under normal conditions in accordance with Quartzline's recommendations.

In practice, differences in materials, substrates and actual on-site conditions are such that no warranty in respect of merchantability or of suitability for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered.

The user of the products must test the product's suitability for the intended application and purpose. Quartzline reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the technical data sheet for the product concerned, copies of which will be supplied on request.