

Technical Data

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UV Treatment

SIL-LEED BOARDS WITH UV TREATMENT

SIL-LEED boards can be varnished with micro-porous alkali-resistant varnish fixed with a UV polymerizing system. The treatment is applied at the factory with a modernized system, which also applies an acrylic varnish on the reverse side and along the corners to complete the waterproofing and providing for good vapour permeability.

The aging test following EN 927/6 provides the passing of 2000 hours corresponding to about **5 year life**. It was done in the laboratory and demonstrates the treatment has no significant alterations. After the test execution, the appearance of the film treatment and its protection properties are unchanged.

The treatment allows for the easy **removal of graffiti**. Cleaning graffiti from the treated surface was executed more than 35 times. The removal of graffiti is done with Diluent Nitro 85 containing toluene, acetone, ethyl acetate, butossiethanol.

The corrosion test of saline fog following DIN 50021 effected on UV treated boards demonstrates the boards are particularly **indicated for applications near the sea** where the aggression of the salt is high.

The corrosion test of SO₂ following DIN 50018 KFW 2.0 S effected on UV treated boards demonstrates the boards are particularly **indicated for use in urban areas** where the concentration of smog is elevated.

The treatment changes the appearance of the natural colour of the boards.

Verolanuova, 13.05.2008

*The tests were performed on "Silbonit", the European name for SIL-LEED