

## TI 930

Technical Information Surface Protection Linings  
Issue 13.01.2022

# STEULER S MEMBRANE

Scraper Coat for universal use, solvent-containing

## Base

Bitumen

## Material Group

Sealing layers

## Description and use

Cold workable bitumen scraper coat for sealing surfaces or for repairs. UV-resistant and good adhesion to concrete, screed, steel and bituminous coverings.

Resistant to dilute acids, alkalis, industrial gases, lyes or similar aggressive materials.

STEULER S MEMBRANE can be applied on its own or in combination with an acid resistant membrane, such as a PTFE film.

## Properties

- Adjusted ready for use, pasty and mouldable
- Waterproof, UV and weather resistant
- Can be stored insensitive to frost
- Colour: black
- Solvent-containing
- Softening point (ring and ball according to EN 1427) greater than 100°C

## Substrate

### Requirements

Application temperature	approx. 5–35 °C
Dew point distance	> 3 K
Dew point distance from 70% air humidity	> 5 K

Optimal temperature is 20 °C. Higher and lower temperatures influence the pot life and consistency of the mixtures.

Avoid draughts and solar radiation.

### Concrete / screed

Refer to DIN EN 14879-1 as well as to STEULER-KCH-Formsheet 010.

To achieve sufficient adhesive tensile strength, the substrate must generally be pre-treated in such a way that it is free of cement slurry, cement skin, loose and friable parts, structural defects and separating substances.

The residual moisture of cementitious substrates must not exceed 4 %.

The condition of the substrate must be documented by STEULER-KCH-Test-Record 006 (concrete) resp. STEULER-KCH-Test-Record 007 (screed).

## Steel

Refer to DIN EN 14879-1 as well as to STEULER-KCH-Formsheet 020 and 030.

The steel surface is blasted to near white blast cleaning. A surface cleanliness of Sa 2½ according to DIN EN ISO 12944-4 and the roughness grade "fine (G)" according to DIN EN ISO 8503-1 must be achieved; minimum surface roughness  $R_z = 30 \mu\text{m}$ . After blasting, the formation of new rust must be prevented by suitable measures, if necessary contact the Application Technology Department.

The condition of the substrate must be documented by STEULER-KCH-Test-Record 003 (Steel) resp. STEULER-KCH-Test-Record 004 (Inspection of Grit Blasting Works).

## Moisture

During application, the substrate must be kept dry. No moisture (condensate, mist, etc.) must get onto the material.

## Working Equipment

Spatula, smoothing trowel

## Packaging / Shelf life

All components must be stored and transported dry. The minimum shelf life applies to a storage temperature of 20 °C, unless otherwise specified. Higher temperatures reduce, lower temperatures increase the minimum shelf life.

Component	Item number	Package	Content	Shelf life
Steuler-S-Membrane	5045022001	Hobbock	25 kg	24 Months
Steuler-S-Membrane	5045022015	Barrel	200 kg	24 Months

For handling, transport and storage observe the relevant safety data sheets.

## Mixing Ratio / Consumption

### Steuler S Membrane

Ready for use compound.

Total thickness is approx. 3 mm. The consumption per mm layer thickness is approx. 1.2 kg/m<sup>2</sup>.

## Application

### Steuler S Membrane

For better application, the material can be heated to 30°C. Apply with smoothing trowel or spatula. Depending on the climate, the scraper coat may have to be applied in several layers. Only apply a new layer after the previous layer is tack-free. Total thickness is approx. 3 mm.

## Waiting and curing times

The waiting and curing time for the scraper coat is approx. 24 hours per mm layer thickness. Depending on layer thickness and temperature, the surface may not be walkable until later. For wall coatings, the waiting time between applications can be reduced according to the Application Technology Department.

## Safety and Disposal

The following points should be observed:

- Sufficient ventilation and venting (especially in pits and tanks)
- No smoking and no fire
- Safety Data Sheets
- Observe hazard warnings and safety instructions on labels
- Wear required personal protective equipment (avoid skin contact with materials)
- Clean and protect hands with skin protection soap (no solvents!) and skin protection cream
- Wear a dust mask when grinding (e.g. for repairs)
- Operating instructions as per § 14 of GefahrstoffV (Toxic Substances Act) and TRGS 507 (Technical regulations for Hazardous Substances - Germany)
- Accident prevention regulations by the Liability Insurance Association for the Chemical Industries (Germany)
- Avoid direct contact of the materials with the flame, especially during welding work (welding beads) on site

Preferably consume residual quantities. Do not pour into a spout or dustbin! Collect separately for disposal in durable, lockable and labelled containers.

## GISCODE

Product	GISCODE
Steuler-S-Membrane	BBP 20

## Cleaning of Equipment

Tools soiled with uncured materials can be cleaned with STEULER UNIVERSAL CLEANER (Technical Information TI 190). Only clean in well ventilated areas.

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This issue replaces all previous versions.