



Technical Data Sheet

ASODUR®-SFE

Art.-No 2 05841

Epoxy resin binder for ASODUR-SteelFibre screeds

Properties:

ASODUR-SFE is a solvent-free, low viscosity, two component epoxy resin binder for production of ASODUR-SteelFibre screeds consists of:

- ASODUR-SFE (2-comp. epoxy resin binder)
- Quartz sand (grain size: 0 – 1.5 mm)
- ASO-SteelFibre

ASODUR-SteelFibre screeds offers high compressive and flexural strengths, are self-supporting up to a thickness of approx. 10mm and are water vapour pressure compensated.

Areas of application:

ASODUR-SFE is used for production of ASODUR-SteelFibre screeds.

ASODUR-SFE provides a base substrate for surface protection systems on cement-based surfaces asphalt floors and ceramic coverings with minor cracking, dampness or oil contamination.

Technical Data (ready-mixed screed):

Consistency:	mortar-like
Density:	approx. 2.1 g/cm ³ at + 20° C
Mixing ratio:	2:1 parts by weight (resin:hardener) approx. 1:8 parts by weight (binder:quartz sand) plus approx. 4 % ASO-SteelFibre
Pot life:	approx. 45 minutes at + 23° C
Min. cure temperature:	+ 8° C
Foot traffic after:	approx. 16 up to max. 24 hours at + 23° C
Overcoat after:	approx. 16 up to max. 24 hours at +23° C
Fully loadable after:	approx. 7 days at + 23° C
Compressive strength:	approx. 54 N/mm ²
Flexural strength:	approx. 19 N/mm ²

Cleaning of tools:

Thoroughly clean tools immediately after use with AQUAFIN-Cleanser

Packaging:

ASODUR-SFE is available 11.5 kg packs.

Components A and B are delivered in a predetermined mixing ratio.

Quartz sand (grain size: 0 – 1.5 mm): 25 kg bags
ASO-SteelFibre: 20 kg boxes

Storage:

18 months when stored dry and cool in the original unopened packaging. The storage is to be made according to the regulation of storage for liquids hazardous to water. Please observe a valid EU safety data sheet.

Surface preparation:

The surface must be load-bearing, dust-free, dry and free from loose particles. Clean oily surfaces with cleanser ASO-R008 or with the Bioversal-method thoroughly and immediately after seal with the special primer ASODUR-SG2. Produce a distance of min. 5 mm at rising constructional elements by setting of polystyrene edge strips before applying steel-fibre screed.

Product preparation:

Production of steel fibre screed:

- binder ASODUR-SFE: 11.5 kg
- quartz sand (grain size: 0 – 1.5 mm): 100.0 kg
- ASO-SteelFibre: 4.5 kg

ASODUR-SFE (binder):

Components A (resin) and B (hardener) are delivered in a predetermined mixing ratio. Tip component B into component A. Ensure that the hardener drains

ASODUR®-SFE

completely from its container. Mixing of the components is to be carried out with a suitable mixer at approx. 300 rpm (e.g. drill with a paddle). It is important to also stir from the sides and the bottom to ensure that the hardener is evenly dispersed. Stir until the mix is homogenous (free from striations); mixing time 5 minutes. The minimum temperature during mixing should be approx. + 15° C.

Lay quartz sand and ASO-SteelFibre in predetermined rates in the forced paddle mixer (e.g. type Zyklos or UEZ). Subsequently add the previously homogenous mixed resin and hardener components of ASODUR-SFE. Ensure that the liquid and solid components are evenly mixed.

When mixing aggregate (e.g. quartz sand) ensure that the aggregate is dry and also at a temperature of approx. +15° C.

Method of application/consumption:

Apply the mixed steel fibre screed on to the prepared substrate in a minimum layer thickness of 10 mm, strike off using gauge, compact mechanically and smooth afterwards (finishing trowel).

Consumption of ready-mixed screed:

approx. 21 kg/m² at 10 mm layer thickness.

Before coating of ASODUR-SteelFibre screed with a surface protection system (ASOFLOOR-system) apply a scratch coat to the entire screed surface.

Scratch coat consists of:

- ASODUR-SFE: 1.0 parts by weight
- Quartz sand 0.2 – 0.7 mm ø: 1.0 parts by weight plus ASO-FibreFiller

Material consumption: approx. 1.0 kg/m²

Important advice:

- Always prime the prepared substrate with the binder ASODUR-SFE to produce a bond between the substrate and ASODUR-SteelFibre screed. Prime the surface in sections.

Consumption: approx. 300 – 500 g/m²

Subsequently apply ASODUR-SteelFibre screed on to the still fresh primed surface.

- Applications that are not clearly explained in this technical data sheet may only be carried out after consultation with and written confirmation from the Technical Service Department of SCHOMBURG GmbH.
- Cured product residues are to be disposed of under the waste disposal code 57423 "Epoxy resin".

Please observe a valid EU safety data sheet.

GISCODE: RE1