

# Data Fact Sheet

## SILOX-SL 330



### SILOX-SL 330

## 3 Components Epoxy resin based chemical and abrasion resistant screed

#### DESCRIPTION

SILOX SL 330 is epoxy resin solvent free, non-shrink, epoxy resin-based mortar screed. The epoxy screed has excellent mechanical and abrasion resistance properties and is resistant to a wide variety of chemicals. This system is designed to provide a heavy duty topping for industrial floors. The screed can be applied in thicknesses from 2mm - 4 mm

#### CHARACTERISTICS

- High Impact and abrasion resistance
- High compressive, flexural and tensile strength
- Good resistance to chemicals
- Non shrink
- Solvent free
- long pot life
- Available in wide range of colors
- Smooth high gloss finish is ideal for situations requiring a hygienic easily cleaned surface
- Easy to clean and maintain.

#### FIELDS OF APPLICATION

- Car parks and other traffic decks
- Storage areas
- chemical plants & factories
- warehouses & workshops
- dairies & food processing plants
- heavy engineering industrial floors



#### TECHNICAL DATA

Property	Typical Results
Density, [KG\L]	1.95±0.05
Chemical resistance	For PH 2.0 to 11.0
Full cure	7 days
Compressive strength (BS 6319)	70MPa @7 days
Flexural strength (BS 6319)	30MPa @7 days
Abrasion resistance (ASTM 4060, CS17 wheel).	50 mg loss/1000 cycles
Impact resistance (ASTM D2794)	No cracking
Bond to concrete (BS 1881)	>2MPa
Application temperature	5 to 35 [°C]



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**CONTACT US**  
info@silox-germany.de



0049-172 6912329  
0020-121 0025167

**FIND US ONLINE**  
www.silox-germany.de

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# 3 Components Epoxy resin based chemical and abrasion resistant screed

### APPLICATION INSTRUCTIONS

#### Surface preparation

surface Preparation The substrate must be structurally sound. Loose or unsound concrete should be removed and made good. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits. The surface should be prepared by light grit blasting or high-pressure water blasting to produce a lightly exposed aggregate surface. Any bug holes should be filled with SILOX Putty. The moisture content of the concrete should be less than 5%. The concrete slab on which the coating is to be applied should have a waterproofing system installed.

#### Priming

The surface shall be primed with a solvent free epoxy primer (SILOX-EP) @ 4-5 m<sup>2</sup>/L.

#### Mixing

Mix part A and B separately for 2 minutes using a heavy-duty slow speed drill (300-400rpm) fitted with a spiral mixing paddle. Pour Part B (hardener) and Part A (base) into a separate container and mix well for a few minutes. Add Part C (filler) slowly to the mixed base and hardener and continue mixing for further 3 - 5 minutes until a uniform and homogenous lump free consistency is achieved. As the products are supplied in pre-weighed packs, part mixing is not at all recommended, as the cured product will not achieve its full properties even if there is a small variation in the mixing proportions.

#### Application

The epoxy screed shall be applied immediately after mixing within its working time. Discharge the mixed mortar from the mixer and place on the floor when the primer is still in a tacky condition. Spread and compact the mortar with a wooden trowel to get a uniform thickness and complete the application with a steel trowel.

#### Important Considerations

- Cementitious substrate must be at least 3 weeks old.
- Maximum moisture content of substrate < 4%.
- Maximum relative humidity 75%.



#### Shelf Life

12 months when stored below 35°C under shade in a dry area.

#### Packaging

SILOX- SL 330 is available in 32.5 kg – 3K

Health, safety & environment



SILOX-SL 330 is not considered dangerous to handle.

Please refer to the material safety data sheet for additional information.



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