

CHEMFLOOR SL-PU

General Data

Area of Application:

Chemfloor SL-PU is used as a coloured mortar coating for industrial floors with high mechanical and hygienic demands. Chemfloor SL-PU floors exhibit excellent properties, good wear resistance and an outstanding resistance to chemicals. It is suitable for medium stress, such as commercial surfaces, slaughterhouses, dry processing areas of the food industry, food and beverage storage areas, tobacco processing plants, production plants for printed circuits, chemical production plants, pharmaceutical production plants and others.

Product Description:

Chemfloor SL-PU is a 3-component, self-smooth coating of high-grade polyurethane resin. The product exhibits a very high level of resistance against a large number of acids, solvents and other chemicals as well as a high abrasion resistance combined with excellent hygienic properties.

CHEMFLOOR SL-PU Systems:

Chemfloor SL-PU serves as mortar for the Chemfloor system: Chemfloor **standard**

Maintenance:

In order to retain the qualities of the PU mortar coating for a long time we recommend regular maintenance.

The floor can be steam-cleaned.

Note:

The characteristic data are approximate values calculated by us. They do not represent warranted characteristics. Consequently, no liability claims of any kind may be derived from the Technical Data Sheet.

(A) Technical Data

<i>Liquid product (A+B+C)</i>	
1. Solids content	99%
2. Density (20°C)	1.9 g/cm ³
3. Viscosity (20°C)	A+B 500-1000 mPas
4. Packaging size (3-component container)	20. kg
5. Colours	Assorted
6. Shelf life	12 months at 15–20°C in closed original container
7. Storage	Dry at 10-30°C, avoid direct sunlight

(B) Technical Data

<i>Cured material</i>	
1. Bending tensile strength (DIN EN 196 / ASTM C 190)	18 N/mm ²
2. Compressive strength (DIN EN 196 / ASTM C 109)	58 N/mm ²
3. Tensile strength (ISO R 527 / ASTM D638)	10 N/mm ²
4. Adhesive pull strength (DIN ISO 4624)	> 2.5 N/mm ² (crack in concrete)
5. Abrasion resistance (DIN 53754 / ASTM D 1044)	1210 mg/1000 cycles (Taber H22)
6. Heat expansion coefficient (DIN EN 1770 / ASTM C531)	3.5 x 10 ⁻⁵ /°C
7. Heat conductivity (DIN 52612 / BS 874)	0.91 W/m °C
8. Water absorption 8CP.BM 2/67/2)	0 ml
9. Temperature resistance 4 mm dry: wet:	85°C 60°C