

MIXSCREED SL

Three component Epoxy based floor Self Leveling system



the construction chemist...

Introduction

MIXSCREED SL is a solvent free three component epoxy screed system consists of Epoxy resin (A), hardener (B) and quartz silica filler (C). It has excellent mechanical properties, high resistance to wear and wide variety of chemicals. This is designed as a heavy duty topping for industrial floor 2-5mm thickness.



Appropriation

Floor of:

- Chemical plants
- Ware houses
- Dairies
- Food processing plants
- Workshops
- Metal treatment plants
- Power houses
- Textile production – bleaching dying

Characteristics

- High Impact and abrasion resistant
- Easy to Apply
- Self Leveling
- High compressive and tensile strength
- Excellent resistance to chemicals
- High strength
- Non tainting & Solvent free

Technical Data and Properties

Compressive strength	70 N/mm ² @ 7 days
	Priming:
Flexural strength	25N/mm ² @7days
Tensile strength	8N/mm ² @7 days
Density of mixed	1.656kg/L
Pot life:	60 min @25°C 45 min @35°C
Shore D hardness	70-80
Bond strength	Greater than the cohesive strength of good quality concrete
Impact resistance	No cracking or debonding

Product Management

Surface preparation:

Ensure that concrete surface is sound, even, firm and 28days cured with moisture content not exceeding 5%. Surface should be free from dust, laitance and other contaminants. Remove oil/grease by washing with liquid detergent, followed by acid wash or by burning. Remove dust, flakes or other foreign particles by jet or dry air and clean the surface mechanically or by grinding to make it smooth before application. Remove any time, distempers or acrylic coating prior to applying MIXSCREED SL by surface grinder. Do not apply MIXSCREED SL over treated expansion joints. Treat expansion joints with MIXFLEX PS205. Treat control joint and construction joint with MIXBUILD NF, Cut open the concrete floor at ends near to door entrances, around trenches and gutters etc. around 10mm deep and 10mm wide to accommodate blade and anchor MIXSCREED SL. Make concrete surface textured by applying emery paper if the surface is smooth.

Prime the prepared surface with two components MIXPRIME EP and allowed to dry. Mix the two parts using a slow speed drill with a suitable paddle. Mix until uniform consistency is obtained. The components are pre-weighted and should not split or divided. Apply by brush or roller and work well into the surface. Apply according to the stated coverage. Allow to stand for 20 minutes before applying the MIXSCREED SL to check for absorption. If the surface become matt, showing absorption, re prime the surface. Apply the MIXSCREED SL whilst the primed surface is still tacky. If the primer hardens re-prime within 24 hours. Allow primer to dry for 6-8hrs till it is touch dry.



MANUFACTURED BY
PYCHEM CO. L.L.C.
P.O. Box : 7496, T : +971 6 7672151, F : +971 6 7672161, U.A.Q - U.A.E.
E: INFO@PYCHEM-CC.COM , PYCHEMCO@GMAIL.COM WWW.PYCHEM-CC.COM

MIXSCREED SL

Three component Epoxy based floor Self Leveling system



the construction chemist...

Application:

Stir component A and C of MIXSCREED SL separately with a hand drill type spiral stirrer. Mix MIXSCREED SL thoroughly with a help of drill mixer till homogeneous mix is obtained. Then add component B slowly, ensuring complete dispersion after adding component B. Mix for 3-5 minutes. Lay MIXSCREED SL after mixing is over. Spread mix evenly over recommended area using a steel trowel with notches. Anchor MIXSCREED SL near walls around columns/ foundation and at edges of trenches/ gutters/bays and expansion joints. Use spike roller with long handle on applied MIXSCREED SL to remove entrapped air to get uniform finish. Ensure that the spike roller is not applied too long to leave any permanent indentation on surface.

Coverage

1.65Kg/ m²/ @ 1mm thickness

Cleaning

Clean the tools immediately after use with xylene, xylol or toluene solvents.

Packing & Storage

MIXSCREED SL is available in 15.00 kg kit. For site installations or mass consumptions, deliveries shall be made in bulk custom-designed containers. Should be stored in cool, shaded and dry warehouses, similar to cement. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life

Health & Safety

MIXSCREED SL contains no poisonous substance. As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each PyChem product

Technical information given in this data sheet is true and exact to the best of our knowledge, laboratory upshot and hand-on application. The data sheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambience. Climatic disparity in temperature, humidity and porosity of substrate may impinge on values



MANUFACTURED BY
PYCHEM CO. L.L.C.
P.O. Box : 7496, T : +971 6 7672151, F : +971 6 7672161, U.A.Q - U.A.E.
E: INFO@PYCHEM-CC.COM , PYCHEMCO@GMAIL.COM WWW.PYCHEM-CC.COM