



Micorea S3

PRODUCT DESCRIPTION

Micorea S3 is a two-component polyurea system for spray application. A two-component sprayer with high pressure, high temperature and heated hoses are required for application. Micorea S3 cures in a few seconds.

USES

Micorea S3 is used as a high-elastic membrane under cast asphalt or tiles, as bridge membrane or as a coating in tough environments such as parking garages, stockrooms, manufacturing locations, and retaining ponds.

Micorea S3 can also be used on steel surfaces.

PROPERTIES

Micorea S3 is an elastic system with crack-resistant properties, even at very low temperatures. Micorea S3 has high elasticity and extremely good wear resistance. Micorea S3 also protects against radon diffusion.

SURFACE PREPARATION

Prepare the surface by degreasing and grinding or blast cleaning, followed by careful vacuuming. Sandblast steel to grade Sa 2½

MIXING

The Poly needs to be thoroughly mixed before application. Poly and Iso are mixed in the nozzle of the spray gun.

PRIMING

Different surfaces requires different primer. For concrete surfaces, apply Micopox WP, or Micopox P scattered with sand. For surfaces like steel, aluminum, epoxy etc. Micopur P is best suited. After the primer is applied, Micorea S3 must be applied within 24 hours.

APPLICATION

Micorea S3 has to be applied by an trained/experienced contractor, using the proper spraying machine and spray gun. For waterproofing, a thickness of at least 2mm is recommended.

CLEANING

Use Micorens for cleaning of equipment. For machine parts, hoses and compounds containing O-rings Mesamoll can be used.

ENVIRONMENT & SAFETY

See safety data sheet for Micorea S3 Poly and Micorea S3 Iso.

STORAGE

Keep dry and above 15°C. Avoid direct sunlight or high temperatures.

DURABILITY

Minimum 12 months in unopened package, when stored as recommended.

Information contained in this data sheet is based upon current knowledge and experience and must be considered as general guidance and be subject to consideration in each individual case. If in doubt, please feel free to contact Elmico for advice.

TECHNICAL DATA

Specific weight: 1,113 kg/l

Solids by volume: 100 %

Ratio of mixture (Poly:Iso): 1:1

Set size:

400 kg set – 200 kg + 200 kg

120 kg set – 60 kg + 60 kg

Tensile strength at 23°C: 25 Mpa

Tensile strength at -20°C: 37 Mpa

Elongation in % at 23°C: 380

Elongation in % at -20°C: 154

Tear resistance at 23°C: 75 N/mm

Shore A: 92

Shore D: 45

Gel time: 3 sec

Tack free: 7 sec