DIVERSE URETHANES

PRODUCT DATA SHEET

DFS 400 FR

Description:
A two component, solvent free, polyurethane designed to produce a hard-wearing smooth fire resistant coating. The cured product is able to withstand exposure to various chemicals and mild acids, is self-extinguising, and has minimal drip when exposed to direct flame. A minimum coating of thickness of 3 mm is recommended for fire resistance properties.

Uses:
DFS 400 FR may be applied to concrete substrates, floors, rock faces and wood surfaces to produce a monolithic coating at a hardness of 85 to 96 Shore A. Part A and B are mixed together till homogeneous, then poured onto the **primed** surface and spread to the desired thickness with a notched trowel. The product can also be coated by means of a paint brush using the “laying-on” technique. It will stick to vertical surfaces using this technique, and the thickness can be controlled by applying more coats. This product is designed for professional use, by workmen skilled in the mixing and application of two component flooring systems. The surface can be primed with either polyurethane or epoxy primer that seals all blow holes.
Tests should be carried out if the product is to be sprayed applied. The long open time makes it suitable to be sprayed.

Safety:
Part A does not present any significant health hazard under normal conditions of industrial exposure.
Part B consists of methlene diphenyl diisocyanate (MDI) and therefore suitable conditions of industrial hygiene should be observed. Contact with the skin and eyes should be avoided by wearing gloves, safety goggles and protective clothing. In case of eye contact wash well with water and obtain medical advice.

Properties:

Mixing Ratio (Weight)	100 Part A : 26 Part B (MR200)
Colour Mixed	Cream/Off-white
Theoretical coverage	0.8 – 0.9 kg/m2 @ 1mm thick
Pot Life	+- 60 minutes.
Shelf Life	6 months in sealed containers
Application Temp.	+- 25 C

Service Temp.	-5 C - 60 C.
Full Cure	7 Days.
Coating thickness	3 mm for fire properties as per SANS 10177 – Part 9

Physical properties

Hardness	85-96 Shore A
Tensile Strength	-
Elongation at Break	-
Fire Resistant Properties	- SANS 10177 – Part 9 (report available on request)

The information supplied is believed to be reliable. As we do not have any control over the processing or application of the product we cannot guarantee the results to be obtained. Users assume all risks and liability resulting from the use of this product and must confirm the suitability thereof by conducting their own tests. No guarantee is expressed or implied. Liability is limited to replacement of faulty material. Field service provided does not constitute supervisory responsibility.

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