



Technical Data Sheet

Elastic Seal Rubberized Fiber Membrane

The Elastic Seal rubberized fiber membrane is specially designed product for waterproofing which consist of major three components and their Technical Data Sheet are attached below.

1. Filler [Calcium Carbonate]

Product Specification

Brightness	96% Min
Whiteness	98% Min
Moisture	0.2% Max
Density	2.68 gram/cubic centimeter
Oil Absorption	25 gram/100 gram Max
pH Value	8-9

Particle Size

Top Cut (D-97) < 5 μ m
Mean Size (D-50) < 1.4 μ m

Chemical Analysis of Raw Material

CaCO₃	99.98% Min
MgO	0.21% Max
SiO₂	0.12% Max
Fe₂O₃	0.02% Max
Al₂O₃	0.03% Max

Applications

Widely used as an extender in paint, in particular matt emulsion paint or a filler in plastics, a mixture in plastics, paper, rubber, glass and porcelain of high quality and high grade products and other similar applications in industry.



2. Mowilith LDM 6481 approx. 57%

Characteristics:

Mowilith LDM 6481 approx., 57 % is a plasticizer-free aqueous dispersion based on styrene and acrylic acid esters. The dispersion is well compatible with cement.

Emulsifier / Protective colloid:

Surfactants.

Recommended Uses:

Emulsion for the construction sector

Improvement and modification of mortar systems

Flexible, mineral sealing slurries

Flexible. Single component, cement free coating compounds.

Specification:

These technical data are determined for each lot before its release by our quality control laboratory

SPECIFICATION	Unit	Value
Solid Content (DIN 53 189 / ISO 1625)	%	57 ± 2

Viscosity (ISO 2555; 23 °C) Brookfield viscometer RVT; Spindle no 5; 20 min-1	mPa.s	2000 ± 1500
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pH Value (DIN 53 785 / ISO 1148)	-	8.0 ± 1.0
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Particle size	μm	approx. 0.3
Minimum film forming temperature (MFFT) (DIN 53 787 / ISO 2115)	$^{\circ}\text{C}$	approx. 0
Density (ISO 8962)	g/cm^3	approx. 1.04
Film:* Appearance		Transparent
Glass transition temperature Tg (DIN 53 765) (DSC, heating rate 10 K/min)	$^{\circ}\text{C}$	approx. 6

Applications:

Mowilith LDM 6481 is used for modification of cement-based mixtures. Especially Mowilith LDM 6481 is used as a binder for flexible, mineral sealing slurries. Mowilith LDM 6481 is also suitable for the formulation of 'crack bridging, waterproofing coating compounds and flexible, cement free roof coatings.

Processing:

Because of the low minimum film formation temperature of Mowilith LDM 6481, predominately the use of coalescing agents is not necessary. Mowilith LDM 6481 has very good cement compatibility.

Preservation:

To prevent attack by microorganisms the preservatives normally used for polymer dispersions should be added despite our preliminary preservation measures. Checks should be carried out to determine their compatibility and efficiency.

Storage:

Mowilith LDM 6481 should not be stored for longer than 6 months before processing. As far as possible, storage should be at a uniform temperature in the region of $5-25^{\circ}\text{C}$. The product should, in principle, be kept away from frost. The technical data ascertained by our quality control laboratory at the time of product release may vary according to the storage time and storage conditions and may deviate from the stated limits. Laboratory at the time of Product release may vary according to the storage time and storage conditions and may deviate from the stated limits.

3. Fiber Matt [E Glass Chopped Strand Mat]



Plaza 1st Floor, Linear Commercial,
Maintenance Road, Bahria Phase 8 Rawalpindi.