

# SUB LM-200

## BITUMEN & WATER BASED LIQUID MEMBRANE



### DESCRIPTION

- Single component ready to use flexible waterproofing material obtained by mixing water, acrylic and bitumen with special methods.

### INTENDED USES

- SUB LM-200, for external insulation of all horizontal and vertical surfaces, foundations, cellar and basement walls,
- In closed and wet areas such as bathrooms, kitchens, toilets, in the isolation of leakage water
- Under the coating in terrace insulation,
- Used with polyester felt, isolation cloth and similar equipment in cracked surfaces or insulation applications that need to withstand higher pressure water.

### PROPERTIES

- Extremely easy to apply.
- It is water-based and cold applied.
- Has permanent elasticity, easily closes shrinkage cracks.
- Resistant to positive water pressure.
- Does not sag and flow on vertical surfaces. Since the product does not contain flammable and toxic substances, it can be safely applied in closed areas.
- The screed material obtained by mixing **SUB LM-200** with sifted fine sand and some cement can be pulled with a trowel to level the hollow parts of the floor or create a protective layer on the insulation layers.

### SURFACE TREATMENT

- Care must be taken that the application surface has cured.
- The application surface should be free from materials that prevent adhesion such as dust, oil, paint, curing material, mould oils and silicone.
- Cracked and hollow areas on the surface must be repaired with **REPAIR SW Waterproof structural repair mortar**, and static cracks must be repaired with plaster containing **LATEX**.
- If there are holes with water coming in, **STOPPER Active water sealant** must be applied.
- Vertical corners must be chamfered with **CHAMFER TAPE**.
- In order for **SUB LM-200** to adhere better to the surface, it should be primed with **BA-100 Bitumen & Water based membrane primer** in a single layer application.
- Before application, make sure that the primer is completely dry.

### TECHNICAL DATA

Appearance	: Dark brown in liquid state, Black after drying
Application temperature	: (+5°C) - (+30°C)
Drying time	: First contact 1 hour Final drying 5-6 hours Test time 8 days
Density	: ~ 1,05 kg/L
Solid substance	: 55-60%

- These values are obtained under laboratory conditions ((23±2) °C temperature, 50% relative humidity) and may differ due to worksite conditions.
- **MYFIX YILDIZ YAPI KİMYASALLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ** is not responsible for the application errors that may arise if the application conditions and precautions outlined above are not followed for the purpose of the product.

### APPLICATION

- **SUB LM-200** is ready to use, cold applied without diluting.
- The material is mixed with a low-speed mixer until it becomes homogeneous.
- After mixing, it is applied in two layers with a bitumen brush or trowel.
- Dries in approximately 5-6 hours depending on the weather conditions. The second layer must not be applied before the first layer dries.
- Total application thickness should be determined according to the application area and the water pressure to which the insulation layer will be exposed.
- In order to increase the carrier feature of the product on surfaces exposed to temporary or permanent water pressure, an alkali resistant glass fibre reinforcement mesh should be placed on the entire surface, the second layer application should be in a way that it covers the mesh completely.
- It should be protected against puncture and impact until covered.
- It should not be applied in rainy weather or at temperatures lower than + 5°C.

### PACKAGING

- 18 kg Plastic bucket

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### WARNINGS AND RECOMMENDATIONS

- Since the applied surfaces are not resistant to frost and UV, they should be closed within a maximum of 3 days and protected against external conditions.
- In applications on the foundation curtain wall, soil filling should not be made without protection. Water that may fill the foundation pit must be drained.
- Do not apply without primer on metal surfaces. It is not suitable for the insulation of drinking water tanks and swimming pools.
- During the application, the ground must be protected from wind and direct sunlight.
- Do not apply to surfaces that have been exposed to sunlight for too long or that are frozen.

### COMPLEMENTARY PRODUCT(s):

- REPAIR SW Waterproof structural repair mortar
- STOPPER Active water sealant
- CHAMFER TAPE
- BA-100 Bitumen & Water based membrane primer
- LTX Latex.

### SHELF LIFE

- Shelf life of an unopened package stored in a dry, cool place is 12 months from the date of manufacture. Protect from frost.

### CONSUMPTION

- 0.8-1.0 kg/m<sup>2</sup> (each layer) (at least 2 layers should be applied).