



TECHNICAL DATA SHEET

BITÜM-1K

SINGLE COMPONENT BITUMEN BASED WATERPROOFING MATERIAL

DESCRIPTION:

Polymer modified bitumen rubber based single component water based waterproofing material

APPLICATION AREAS:

Applied for the protection and waterproofing of foundations, curtain walls, wet spaces, retaining walls, building elements which are exposed to leakage water or temporary/permanent water pressure and also for adhesion of panels for waterproofing/drainage purposes.

ADVANTAGES:

- * Provides labor and time advantage due to its easy application feature.
- * Provides high adhesion, durability and water impermeability.
- * Prevents the formation of stress cracks with its crack bridging feature.
- * Provides an ideal waterproofing solution without shrinkage or joints.
- * Can be easily applied on vertical surfaces.
- * Solvent-free, eco-friendly.
- * Resistant to plant roots, microorganisms, chemicals in soil and salt solutions.

SURFACE PREPARATION:

The application surface should be clean, sound and free from dust. Adhesion barrier materials (oil, dirt, dust, etc.) should be cleaned, cement-mortar residues etc. should be scraped. Gaps and deep cracks on the surface should be repaired with RP-1200, RP-800 or RP-MAX4 repair mortars at least 1 day before the application. If needed, surface should be cleaned with water, excess water should be removed. The surface must be prepared by applying BITÜM-PR solvent-free bitumen primer. Application should be started after the primer surface has dried completely.

PRODUCT PREPARATION:

BITÜM-1K is ready for use, there is no need a preparation for product. Before use, it should be mixed with a low-medium speed mixer until it becomes homogeneous.

APPLICATION METHODS:

- * BITÜM-1K is applied evenly to the prepared surface as the first layer with one-way movements using a brush, trowel or spraying machine.
- * After the first layer is completely dry, second layer is applied evenly to the entire surface, perpendicular to the first layer.
- * During the application, make sure that there is no space, hole or area without mortar at surface. Make sure that every mortar layer covers the application surface completely.
- * After setting time is completed, the surface becomes ready for the other applications on it.
- * As differences in ambient and surface temperature will change the curing time of the product, make sure that the surface is completely dry before applying a new layer.
- * In foundations, foundation excavation should be closed after surface is covered with suitable thermal insulation and drainage boards.
- * For large area applications, extra strength can be achieved by applying together with polyester mesh (40 g/m²).
- * If it is desired to cover the BITUMEN-1K surface with a protective layer, fine silica sand is sprinkled on it before the final coat surface dries. When the surface dries, free sand is swept and cleaned and screed/plaster etc. application is made.
- * Ambient and surface temperature should be between +5°C and +30°C during the application.
- * Any material (water, cement, etc.) should not be added in the product.
- * The surface should be protected from sun, strong wind, rain/water and sudden temperature changes during and 24 hours after the application.

SHELF LIFE:

Unopened original packages can be stored in dry (%60 R.H.) and cool (+5°C / +25°C) environments up to 12 months.

UNIT CONSUMPTION:

2,0 - 5,0 kg/m² (6,0-15,0 m² / 30 kg bucket)



System 3

NUR KİREÇ SAN. TİC. VE PAZ. LTD. ŞTİ.
Güzel Cumhuriyet Mah. Çimento Bulv. No:23 PK: 01965
Yüreğir/Adana/Türkiye
"NUR YAPI KİMYASALLARI"
23

TS EN 15814 + A2 / 04.2015

POLYMER MODIFIED BITUMEN BASED WATERPROOFING MATERIAL
USED FOR WATERPROOFING OF BUILDINGS IN BELOW GROUND

Reaction To Fire (EN 13501-1)	E
Flexibility At Low Temperature (TS EN 15813)	PASSED
Water Resistance (TS EN 15817)	PASSED
Dimensional Stability at High Temperature (TS EN 15818)	PASSED
Water Impermeability (TS EN 15820)	W1
Hazardous Substances	SDS
Time For Usage	1-2 hours
Time Required For Upper Application	24 hours
Time Required For Contact With Water	48 hours

PERFORMANCE DECLARATION NO

15814 / PB-07.017

If any symptoms or complaints occur in all exposures, medical help should be sought immediately

Inhalation : The exposed person is removed from the environment and allowed to rest in fresh air.

Skin Contact : Skin should be washed with plenty of water.

Eye Contact : If there are contact lenses, if easy they should be removed. Eyes should be washed with plenty of running water by opening upper and lower lids for 15 min. without rubbing.

Swallow : If swallowed, mouth should be rinsed with plenty of water. Shouldn't be vomited.

