



## NW-2K Bitumen Based Two-Component Waterproofing

### Product Description

It is a double component, bitumen and cement based, elastic and quick drying water-based liquid membrane whose elasticity and strength are reinforced with various additives and polymers. After evaporation of the water in its body, it adheres strongly to the surface it is applied and forms an elastic coating that is resistant to water and moisture.

### Areas of Use

- On all horizontal and vertical surfaces,
- External insulation of foundation, cellar and basement walls,
- It is used in conjunction with reinforcement mesh such as insulation mesh in closed wet areas such as bathrooms, kitchens, toilets, isolation of leachate, large cracked surfaces or isolation applications that need to withstand higher pressure water.

### Application Surfaces Indoor and Outdoor Wall;

- Cement-based plaster Concrete
- Old bituminous surfaces

### Indoor and Outdoor Floor;

- Cement-based screed
- Old bituminous surfaces Concrete

### Advantages

- It can be easily applied by anyone.
- It creates a complete and seamless isolation layer.
- It provides excellent adhesion on concrete surfaces.
- It's very elastic.
- It dries quickly.
- Solvent-free, environmentally friendly.



### Preparation of the Surface

- The surface should be dry, clean, solid and free from dust, oil, dirt or anti-adhesion materials should be removed from the surface, and materials such as mortar cement residues should be scrapped.
- Repair of surface faults with depth of more than 1 cm should be done with Newkim Repair Mortar 6-8 hours before.
- After surface cleaning, the surface should be primed as a single coat with Newran branded water-based primer to increase
- adhesion strength and balance surface absorbency and should be left to dry for a minimum of 5 hours.

### Preparation of the Product

- The powder component in the upper chamber of the plastic bucket is poured into the liquid component in the lower chamber and mixed with a low speed mixer until no lumps remain.
- It is applied with a brush after mixing.
- It dries in about 1-2 hours depending on weather conditions.

### Application Details

- Newran NW-2K product is applied to the surface in two layers with a minimum of 3 mm dry film thickness.
- After the first layer is completely dry, the second layer is applied so that the first layer is perpendicular to the application.
- The coats that will follow must always be made after the previous coat has dried and, in the direction, perpendicular to the previous application.
- 4 hours between layers should be expected. To ensure the continuity of the insulation, Newkim repair mortar and edge and corner joints should be chamfered.

- In cases where chamfering is not possible, insulation tape should be applied in areas that are weak in terms of water impermeability, such as edge joints. If there are tarot holes or mold joints on the surface, before starting the application, iron rods and / or plastic parts should be removed from their location, and if not removed, they should be cut from the concrete surface with a minimum of 2 cm inside and filled with Newkim Repair Mortar.
- Depending on the properties of the application surface, application can be made by placing Newkim Net between two layers if necessary. In cases that require net reinforcement, a coat is first applied, and the net is laid on it before it dries.
- In regions where there is pressurized water, the amount of consumption and application thickness should be increased.
- During the evaluation of the application conditions, temperature differences between day and night must be taken into consideration.
- In cases where it is possible to decrease the temperature + 5 °C within 24 hours following the application, Newran N W - 2 K should not be applied on frozen or melting surfaces.
- After fully dry, Newran NW NW-2K applied surfaces should be closed without delay and be protected against external conditions.
- Before applying on Newkim NW-2K, the waterproofing layer, thermal insulation boards, drainage plates, geotextile felt should be protected from mechanical effects and tensions that may occur on the surface.

### Application Requirements

- It should not be applied on uneven surfaces.
- The robustness and bearing of the old surfaces should be checked before the application process.
- During and after application, the surface should be protected from air currents and contact with water should be prevented.
- It should not be applied on substrates which are at risk of frost, frozen or melting ice in 24 hours.
- In hot weather, the material should not be exposed to direct sunlight.
- No application should be made on hot surfaces with extreme wind or direct sun, if there is an obligation to apply in these environments, the environment and surface should be ready to apply before starting.
- Application should not be made in rainy weather; application surface should be protected from rain for 24 hours.

### Application Tools

Brush, Trowel

### Warnings & Suggestions

- After mixing the product, it should be used within the life of the container.
- Products that have expired during the application should not be used.
- During the application, no foreign material should be added to the mixture except for the components of the product.
- It can be safely used indoors without any flammable or toxic substances.

### Technical Information

The technical information is based on 20 °C air temperature and 65% relative

Content	Bitumen emulsion-cement based powder mixture does
Thinning	not require heating and thinning
Mixture	1,2 g/ml
Density	+5°C / +35°C
Application Temperature	45 minutes
Pot Life	2-4 hours
Drying Time of the Surface	3 days



#### Consumption

700 gr / m<sup>2</sup> per spread-double application should be done.



#### Packaging

Two-component PE bucket in set, 24 kg liquid component (lower chamber) and 8 kg powder component (upper chamber)



#### Shelf Life

1 year from the date of production in drought and dry environments



#### Color

Black