

BETTOSEAL NP STD

Cement and Polymer Dispersion Based, Two Component,
Negative and Positive Directional Waterproofing Material

MATERIAL DESCRIPTION

BETTOSEAL NP STANDARD is a cement and polymer dispersion based, two component, waterproofing material that prevents moisture, leakage and surface water on concrete surfaces and can be applied from negative and positive directions.

AREAS OF USE

- Indoor and outdoor, vertical and horizontal applications,
- In all kinds of wet areas such as WC, bathroom,
- Foundation and curtain waterproofing and retaining walls,
- Basements,
- In water tanks and tunnels,
- Semi-Olympic swimming pools,
- In the elevator pit,
- Reinforced concrete pipes,
- To protect concrete from water, carbonation and de-icing salts,
- In brine pools,
- In fish breeding ponds,
- Nutrient stores,
- Hydroelectric power plants,
- Used for flower bed insulation.

ADVANTAGES

- Easy to prepare and apply,
- The uptime is long,
- Reduces alkali-silica interaction in over concrete applications.
- Negatively and positively effective (4 bar negative - 10 bar positive)
- Permeable to water vapor and air,
- Resistant to freezing and thawing.

TECHNICAL SPECIFICATIONS

BETTOSEAL NP STD Component A	Special cement, mineral fillers, polymer
BETTOSEAL NP STD Component B	Liquid polymer dispersion
Color	Gray-White
	$\geq 1.5 \text{ N/mm}^2$ (28 days)
Pressurized Water Resistance	4 bar negative, 10 bar positive
	Class 1
Applicable Floor Temperature	+5°C +25°C
	-20°C +80°C
Fresh Mix Use Time	45 minutes
	7 days (Water
Temperature	Impermeability) 3 days
	(Plaster or Ceramic)

Use Time to be Ready for Use

Covering Note: The above values are given for +23°C and 50% relative humidity. High temperatures shorten the time, low temperatures lengthen the time.



SURFACE PREPARATION

The surface to be applied must be sound, free from all kinds of oil, grease, rust, paraffin, paint, bitumen residues that will prevent adhesion to the surface and all loose parts must be cleaned. Iron and wooden wedges on the surface should be removed and active water leaks, if any, gaps formed with **BETTOFIX**, uneven surfaces and corner edges should be repaired with **BETTOCRETE** repair mortars with a radius of at least 4 cm.

The surface should be wetted with water before application, but ponding should not be allowed. If the coating material loses water immediately during application and becomes dull, it is understood that the surface has not been wetted sufficiently or has dried fast. In such cases where the weather is hot or the materials are exposed to the wind, add 10% of the B component water into the mixed material for the first coat only.

MIXING

Pour **BETTOSEAL NP STANDARD** Component B (liquid component) into a clean mixing bowl. Pour the water to be added into the mixing bowl. Add the powder component slowly and mix with a mixing drill at 400-600 rpm. Mix for about 3-5 minutes until the mixture becomes homogeneous and rest for 2 minutes. Then mix again for 1 minute and make ready for application. Do not add water to the mixture.

MIXTURE AMOUNT

BETTOSEAL NP STANDARD Component A : 25 kg Powder

BETTOSEAL NP STANDARD Component B : 2

kg Liquid WATER 5 - 5.5 kg

Mixture density: 1.98 kg/liter.

APPLICATION METHOD

BETTOSEAL NP STANDARD is applied with a brush on a water saturated and damp surface. The material should be applied in 2 or 3 coats. 3-5 hours should elapse between the application of each coat. After the 1st coat reaches sufficient hardness

2nd coat can be applied. The application of each coat should be in the opposite direction to each other.

IMPORTANT NOTE: The material becomes waterproof after 7 days. The material should be protected from direct sunlight, rain, frost and wind for 24 hours. The application surface temperature should be between +5°C - +30°C.

PACKAGING

BETTOSEAL NP STANDARD Component A 25 kg polyethylene reinforced paper bag.

BETTOSEAL NP STANDARD Component B 2 kg plastic drum.

EXPENDITURE

1. coat consumption 1.5 kg/m² mixture
2. Coat Consumption : 1.2 kg/m² mixture
3. Coat Consumption : 1.2 kg/m² mixture

STORAGE

It should be stored in its unopened original packaging, in a cool and dry environment, protected from frost. For short-term storage, maximum 3 pallets should be stacked on top of each other and shipment should be made on a first-in, first-out system. For long-term storage, pallets should not be stacked on top of each other.

SHELF LIFE

Proper storage conditions are 1 year from the date of manufacture. **BETTOSEAL NP STANDARD** Component B freezes at temperatures below 0°C. Opened packages should be tightly closed and stored under suitable storage conditions and used within 1 week.

SECURITY MEASURES

Application areas must be ventilated. During the application, work clothes, protective gloves, goggles and masks should be worn in accordance with the Occupational Health and Safety rules. Due to the irritating effects of uncured materials, the components should not come into contact with the skin and eyes, in case of contact, they should be washed immediately with plenty of water and soap, and if swallowed, a doctor should be consulted immediately. Food and beverage materials should not be brought into the application areas. Keep out of the reach of children. For detailed information, refer to the Material Safety Data Sheet.

RESPONSIBILITY

The data contained in this technical document are based on our scientific and practical knowledge. **BETTON Construction Chemicals San. ve Tic. Ltd. Şti.** is only responsible for the quality of the product. **BETTON Construction Chemicals San. ve Tic. Ltd.** cannot be held responsible for any consequences that may occur due to misuse and/or misuse other than the written recommendations on where and how to use the product. **Ltd. Şti.** cannot be held responsible.



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