

kN-WP777

Integral Water Repellent Admixture

Description:

kN-WP777 is an integral waterproofing and permeability reducing admixture for use in all types of mortar and concrete mixes. It is formulated from specially blended long chain carboxylic acids to give maximum reduction in permeability. This results from a positive chemical action which creates a network of insoluble water resistant material within the pores of the cement matrix.

Advantages:

- Reduction in permeability without significant changes in strength.
- Enhances durability of concrete.
- Contains no calcium chloride. Improved resistance to frost damage.
- Maintains clean appearance of concrete surface.

Typical Uses:

kN-WP777 will reduce drastically water absorption in structural and precast concrete. It is suitable for use in below grounds structures, reinforced concrete exposed to sea water, manholes, waste water treatment and all types of structural concrete like pile foundations, water retaining structures, rafts, basement concrete elements, etc..

Properties:

Property	Test method	Value
Component	-	Single
Form	-	Liquid
Colour	-	Clear
Specific Gravity	ASTM C494	1.05 ± 0.02
Air Entrainment	ASTM C231	Up to 1% over
Chloride Content	BSEN 480-10	Nil to BSEN 934-2
pH	ASTM C494	7-9
Water Absorption	BS 1881-122	50% to 70% improvement over control (depending on the mix design)

TECHINICAL DATA SHEET

Compatibility:

KN-WP777 can be used with all types of cements and cementitious materials like fly ash, GGBS, micro silica, etc. It is compatible with most of the admixtures.

Dosage:

The Recommended dosage is 0.5 - 1.5% by weight of cementitious material. Higher dosage can be used after verification of performance by conducting lab and site trials. Optimum dosage of **KN-WP777** and effect on concrete properties such as workability, strength, setting time, etc. are best assessed after preliminary tests on site using the actual materials of mixes under consideration.

Overdosing:

Overdosing may result in increased workability.

Packing:

20 ltr., 200 ltr., 1,000 ltr. and bulk

Dispensing:

KN-WP777 should be directly dispensed into the concrete mixer together with the mixing water.

Storage:

KN-WP777 to dry aggregate or cement is not recommended. Up to 2 years in unopened original packing, protected from extremes of heat and cold and stored under shade.

Precautions:

Clean all equipment's and tools with water immediately after use .

HEALTH AND SAFETY

PPE's

Gloves, goggles and suitable mask must be worn.

Precautions

Contact with skin, eyes, etc. must be avoided.

If swallowed seek medical attention immediately.

Hazard

Regarded as non-hazardous for transportation.

Disposal

Do not reuse containers.

To be disposed off as per local rules and regulations.

Additional information

Refer MSDS. (Available on request)