

# Waterseal

**WATERPROOFING LIQUID ADMIXTURE  
FOR CONCRETE AND MORTAR.**

**NuTec Waterseal** is a dark brown liquid based on lignosulphonates and hydrophobic polymer which easily mixes with water and disperses evenly. After addition to concrete/mortar, it disperses cement particles to make concrete waterproof against hydrostatic pressure and improves quality of concrete or mortar i.e., strong and corrosion resistant. NuTec Waterseal reduces water demand for required workability and minimises segregation and bleeding, it is more efficient compared to conventional powder waterproofs.



## BENEFITS:

- NuTec Waterseal improves cement mortar and concrete quality in terms of impermeability, water reduction, workability, mixed rheology, increase in strength and corrosion protection
- Uniform waterproofing throughout concrete matrix and complete dispersion throughout mix
- Improved workability- improves compaction of concrete and mortar, even harsh sand or aggregates are used
- Minimises porosity and honey combing, produces dense homogeneous concrete
- Increases resistant to chemical attack, salt precipitation, efflorescence, fungal growth and helps in reducing probability of corrosion of embedded metal
- It is also recommended for all general mass concrete work Eg. Basements, bund walls, tanks, balcony, floor and roof slabs where due to harsh aggregates, difficulty of compaction or mix control, the risk of porosity and permeability must be minimised

## INSTRUCTIONS FOR USE:

- Mix well before use
- Mortar: for plastering mortar, NuTec Waterseal must be diluted with gauging water for better dispersing in proportion of 1: 15 and to be added in desired cement /sand dry mix. As a guideline use minimum dosage of 100ml and maximum dosage of 200ml per 50 kgs of cement
- Concrete: NuTec Waterseal should be diluted with gauging water and to be added to wet mix during concrete mixing. As guideline use 200ml per 50kgs of cement, where cement content is more than 350Kg/m<sup>3</sup> and 300ml per 50kgs of cement where cement content is less than 350kg/m<sup>3</sup>
- Please note Mixes using NuTect Waterseal will require much less water than normal mixes for the same workability subject to moisture free sand and aggregates

## TECHNICAL SPECIFICATION:

Specific Gravity	1.15 - 1.17g/cc
Colour	Brown
Chloride Content	Nil as per IS:2645-2003
Compatibility	Can be used with all types of cements including Pozzolanic but not High Alumina Cement
Permeability to Water	Less than 15% as compared to 50% max. allowable under IS:2645 compared to control sample
Strength	Increased
Workability	Improves workability at reduced water cement ratio



AVAILABLE PACKAGING SIZES:				
	0.5L	1L	3L	5L