



High Tech

NxT Naptha Plast 990

High Tech NxT Naptha Plast 990 is a ready to use, high range water reducing admixture designed to produce concrete with high slump and workability while maintaining high strength.

It is specially formulated to reduce water content, increase workability and durability of concrete. High Tech NxT Naptha Plast 990 provides excellent flow, cement dispersion, reduces water penetration and reduced permeability. Ideal for all general concrete and reinforced concrete constructions.

ADVANTAGES

- ✓ Designed to obtain high workability with lower water content.
- ✓ Reduces water demand and increases compressive strength.
- ✓ Improves early and long term strength of concrete.
- ✓ Enhances durability by reducing permeability and segregation.
- ✓ Reduces heat of hydration and drying shrinkage.
- ✓ Improves finish and reduces honeycombing.
- ✓ Improves pumpability and placement.
- ✓ Compatible with all types of cement.
- ✓ Chloride free and non corrosive.

TYPICAL PROPERTIES AT 25°C

Appearance	Clear Liquid
Color	Brown
Specific Gravity	1.08 ± 0.02
pH Value	6.0 – 8.0
Chloride Content	Nil to IS 456 Limits
Dosage	0.6 – 2.0 % by weight of cement
Air Entrainment	1 – 2 %
Compatibility	Compatible with OPC & PPC
Shelf Life	12 Months

**Typical results under laboratory conditions*

SURFACE PREPARATION

Not applicable as NxT Naptha Plast 990 is an admixture added in concrete mix. Ensure that all concrete materials (cement, aggregates, sand and water) meet the required standards and are clean and free from impurities.



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MIXING

Add **High Tech NxT Naptha Plast 990** to the gauging water or to the concrete mixer after the concrete has been batched. Mix for minimum 2 – 3 minutes to achieve uniform dispersion. Do not add water once the mix starts to set. Mix only that quantity which can be used within 1 – 1.5 hours.

APPLICATION

High Tech NxT Naptha Plast 990 is suitable for all types of concrete where high workability and high early and ultimate strengths are required. It is ideal for ready mix concrete, precast concrete, continuous concreting, slender sections, heavily reinforced concrete and concrete placed in hot weather. Recommended dosage is 0.6 – 2.0 % by weight of cement depending upon the type of cement, mix design and desired workability. Trial mixes are recommended to determine the optimum dosage.

PRECAUTIONS

- ✓ Dosage beyond the recommended range may cause segregation and delay in setting.
- ✓ Do not mix with other admixtures.
- ✓ Store in a cool place. Protect from direct sunlight and frost.
- ✓ Keep container tightly closed when not in use.
- ✓ Use within the shelf life for best results.

PACK SIZE

High Tech NxT Naptha Plast 990 is available in the following pack size.

PACK SIZE	PACKAGING
200 Liter Drum	Bulk



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CURING

Proper curing is essential for achieving the desired performance. Keep concrete moist for at least 7 days after placing by using water curing, curing compounds or wet coverings. Protect from rapid drying, direct sunlight and strong winds.

COVERAGE

The dosage range is 0.6 – 2.0 % by weight of cement. Actual dosage may vary depending on cement type, mix design, ambient temperature and required workability.

SHELF LIFE

12 months from the date of manufacture when stored in original sealed packaging in a dry, cool place and protected from direct sunlight. Extreme temperature may reduce shelf life.

COMPATIBILITY

High Tech NxT Naptha Plast 990 is compatible with all types of Portland cement including OPC, PPC and PSC. It can be used with other High Tech chemical admixtures.

STORAGE

Store in a cool, dry place away from direct sunlight and frost. Keep the container tightly closed when not in use. Do not store in metal containers.

PACK SIZE

High Tech NxT Naptha Plast 990 is available in the following pack size.

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200 Liter Drum	Bulk

NOTE:

- This product is non-hazardous.
- Avoid contact with eyes and prolonged contact with skin.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice if irritation persists.
- Keep out of reach of children.





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PACKAGING

High Tech NxT Naptha Plast 990 is available in the following pack size.



NOTE:

- If printed packaging not available, neutral packaging with label.
- Lot number and manufacturing date to be stamped at the back of each drum.



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