

# ROBUSTO HRWRA 369

## PRODUCT DESCRIPTION :

**ROBUSTO® HRWRA 369** is a high performance PCE based admixture of polycarboxylate technology. This technology with long chains specially designed to improve the repulsion of the cement particles in concrete to enhance the workability.

This admixture is effective in improving the day to day production efficiency of a concrete plant by rapidly dispersing cementitious contents in concrete mixtures, the minimizing mixing time.

## USES :

**ROBUSTO HRWRA 369** is a specially designed to produce ready mixed concrete. Additionally, it provides high water reduction and improved fresh concrete characteristics.

**ROBUSTO HRWRA 369** is used for the following:

- High Water Reduction.
- Improves Cohesion.
- Better Workability.
- Improves Durability.

## DOSAGE

Trials should be conducted to determine the optimum dosage of **ROBUSTO HRWRA 369** to meet the performance requirements by using the available Raw materials at site conditions. However, the normal dosage ranges between 0.2 to 1.2 % by weight of total cement or binder content.

## TECHNICAL SUPPORT

**ROBUSTO** provides technical advisory service for on-site assistance and guidance on mix design, optimum dosage evaluation of trials.

## ADVANTAGES

**ROBUSTO® HRWRA 369** is a powerful PCE based on advanced technology which gives the following:

- Increased retardation, controls the heat of hydration.
- Impermeable concrete through very water reduction.
- Minimises segregation and bleeding problems by improving cohesion.
- High efficiency even at low dosage rates.

## BENEFITS

- Better slump retention and pumpability.
- Improved finishability and surface appearance.
- Improves in Pumpability.
- Reduces bleeding.
- Flexibility in Concrete mixture development for cement reductions and/or to increase the use of supplementary cementitious materials.

## STANDARDS

**ROBUSTO HRWRA 369** complies with IS 9103:1999 and ASTM C494, **Type-D, Water Reducing and Retarding** admixtures depending on the dosage used.

## TECHNICAL PROPERTIES @ 25°C:

Colour : Yellowish to brownish  
Liquid.

pH : Minimum 6.0

Specific Gravity : 1.06 ± 0.02

Chloride Content : Nil as per BS 5075

## COMPATIBILITY

**ROBUSTO® HRWRA 369** can be used with all types of Portland cement and cementitious materials. **ROBUSTO HRWRA 369** should not be used in conjunction with other admixtures unless

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**ROBUSTO** technical department approval is obtained.

## EFFECT OF OVER DOSAGE

Overdosing of **ROBUSTO HRWRA 369** will cause the following:

- Increase in workability.
- May Bleed & Segregate.
- May increase in retardation, prolongs the setting time.

## PACKAGING

**ROBUSTO® HRWRA 369** is available in 225 kg drums supply.

## STORAGE

**ROBUSTO HRWRA 279** has a shelf life of 12 months from the date of manufacturing. If stored at Cool & Dry place and away from the direct sunlight.

## CLEANING

**ROBUSTO® HRWRA 369** can be washed with fresh cold water.

## HEALTH & SAFETY

**ROBUSTO® HRWRA 369** is not classified as hazardous material.

**ROBUSTO® HRWRA 369** should not come into contact with skin and eyes. In case of contact with eyes wash immediately with plenty of water and seek medical advice promptly. For further information refer to the Material Safety Data Sheet.

## DISCLAIMER

*The manufacturer reserves the right to change the specifications. RCPL products are guaranteed against material manufactured and are sold subject to the company's Terms and Conditions of Sale. Whilst we endeavour to ensure that advice, specifications, recommendations, and information given is correct, we cannot have control over how our products are applied and will not accept liability, directly or indirectly, arising from application of our materials.*

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## FIRE

**ROBUSTO® HRWRA 369** is water based concrete admixture and non- flammable.