

# YASH SUPER PLAST (SPECIAL)



## YASH SUPER PLAST (SPECIAL)

Retarding and water reducing admixture

### Description

YASH SUPER PLAST (SPECIAL) is formulated from selected polymers specially designed to enable the water content of the concrete to perform more effectively. This effect can be used to improve workability, to increase ultimate strengths or to facilitate a reduction in the cement content while sustaining mix properties.

YASH SUPER PLAST (SPECIAL) has retarding property, this effect can be used to overcome transportation delay problems and where long setting time is required.

### Applications

- + Long concrete deliveries.
- + Hot weather concreting.
- + Where high workability retention and retardation are required.
- + To produce high quality concrete of improved durability and water tightness.
- + To improve cohesion in concrete mixes.

### Advantages

- + Improved workability, reduces placing and compaction problems.
- + Cold joints can be avoided by extending initial and final concrete setting time.
- + Higher strength with same cement content.
- + Cement saving without affecting strength.
- + More durable concrete as a result of reduction in permeability and lower water to cement ratio.

### Compatibility

YASH SUPER PLAST (SPECIAL) can be used with all types of Portland cement and cement replacement materials. YASH SUPER PLAST (SPECIAL) is compatible with other YASH admixtures used in the same concrete mix. If more than one type of admixture is to be used in concrete mix, they must be dispensed to the concrete separately.

### Standards

YASH SUPER PLAST (SPECIAL) complies with ASTM C494:71 Type B & D, IS9103:99 and BS5075 Part 1:1982.

### Technical Properties:

Colour	: Brown liquid
Specific gravity	: $1.18 \pm 0.02$ @ 27°C
Chloride content Bs5075	: Nil

### Method of Use

YASH SUPER PLAST (SPECIAL) should be added to the concrete with the mixing water to achieve optimum performance. An automatic dispenser should be used to dispense the correct quantity of YASH SUPER PLAST (SPECIAL) to the concrete mix.

### Dosage

The guidance dosage of YASH SUPER PLAST (SPECIAL) is 0.30 to 1.0 litre per 100 kg of cementitious materials in the mix, including GGBFS, PFA or microsilica.

Representative trials should be conducted to determine the optimum dosage of YASH SUPER PLAST (SPECIAL) to meet the performance requirements by using the materials and conditions in actual use.

### Effects of Over Dosage

Over dosing of YASH SUPER PLAST (SPECIAL) will cause the following:

- + Significant increase in retardation.
- + Increase in workability.

Ultimate concrete strength will not be adversely affected and will generally be increased provided that proper concrete curing is maintained.

### Setting Time

Although the setting time is dependent on the dosage of YASH SUPER PLAST (SPECIAL), the following factors should be considered:

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- i. Retardation is increased with lower levels of tricalcium aluminate in the cement.
- ii. Lower temperatures will delay the setting time.
- iii. SRC cement gives higher retardation level than ordinary cement.
- iv. Using more than one type of admixture in the same concrete mix could affect the setting time.
- v. Retardation level is increased when cement replacement materials are used in the concrete mix.

## Cleaning

YASH SUPER PLAST (SPECIAL) can be washed with fresh cold water.

## Packaging

YASH SUPER PLAST (SPECIAL) is available in 250 kg drums and 1000 litre bulks supply.

## Storage

YASH SUPER PLAST (SPECIAL) has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 50°C.

If these conditions are exceeded, YASH Technical Department should be contacted for advice.

## Cautions

### Health and Safety

YASH SUPER PLAST (SPECIAL) is not classified as hazardous material.

YASH SUPER PLAST (SPECIAL) 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.

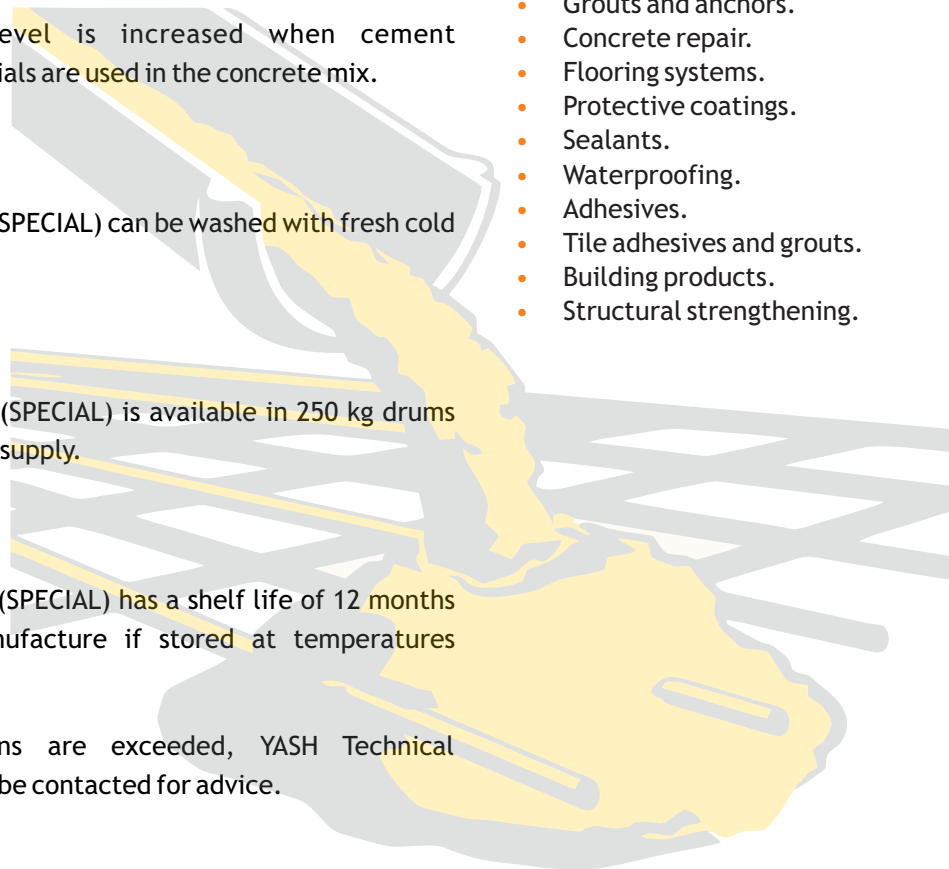
## Fire

YYASH SUPER PLAST (SPECIAL) is nonflammable.

## More from YASH CONCHEM Products

A wide range of construction chemical products are manufactured by YASH which include:

- Concrete admixtures.
- Surface treatments
- Grouts and anchors.
- Concrete repair.
- Flooring systems.
- Protective coatings.
- Sealants.
- Waterproofing.
- Adhesives.
- Tile adhesives and grouts.
- Building products.
- Structural strengthening.



Note : We endeavor to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, due to the fact that we have no direct or continuous control over where or how the products are applied, Yash cannot accept any liability either directly or indirectly arising from the use of Yash products, whether or not in accordance with any advice, specification, recommendation or information given by us.