



# Reolam CS 383

## Chemical Description

Blend of synthetic polymer and polyamine.

## Main Use

Casting rate enhancer.

## Typical Values

**Appearance:** liquid

**pH:** 10 - 14

**RVT Brookfield viscosity at 20 °C, 20 rpm :** 100 - 200 cPs

## Product Properties

REOLAM CS 383 is based on an original water soluble polymer designed in Lamberti laboratories.

REOLAM CS 383 promotes the aggregation of the finest particles of water - based ceramic slips, increasing the permeability and speeding-up the flow of water from the slip to the plaster or resin mould.

The main result is the increase of casting rate and consequently the reduction of casting time, both in traditional and pressure casting.

Other advantages of REOLAM CS 383 are:

- increase of thickness is real with very low increase of water content
- rheology of slip is easily controlled and adjusted
- better uniformity of moisture in the formed body
- better uniformity of density in drain casting
- better consistency of casting parameters
- reduction of cracks during shrinkage
- longer working life of moulds due to agglomeration of the finest particles of the slip.

## Applications

REOLAM CS 383 is suitable to be used for sanitaryware, tableware, technical ceramics, filter-pressing of ceramic slips.

REOLAM CS 383 is easily dispersible and it is usually added in slow stirring storage tanks.

Also the addition in the heated tank serving the pressure casting benches is possible.

The addition of REOLAM CS 383 is usually from 0,04 % to 0,15% computed on the dry part of the slip.

Dosage varies according to slip composition.

The addition of the REOLAM CS 383 slightly increases viscosity and thixotropy: most of the time these increments are not significant and disturbing especially in high/medium pressure casting.

If viscosity and/or thixotropy turn to be too high, adding a slight amount of deflocculant (we suggest polyacrylates - i.e. Reotan HS) is usually sufficient to come back to suitable casting parameters, maintaining benefits for the casting rate.

## Storage and Handling

REOLAM CS 383 is stable to prolonged storage under condition where extreme temperatures does not occur.

In order to maintain the performance of the product, store at room temperature and protect from frost.

Shelf life: 12 months if properly stored.

## Packaging

25 kg plastic tank, 100 kg plastic drum.

## Material Safety

Detailed health and safety information can be found in our safety data sheet, available according to ECC Directive.

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