



REOTAN HS

Chemical description

Polycarboxylate sodium in aqueous solution

Main use

Fluidising agent for ceramic bodies and engobes.

Typical values

Appearance at 20°C: Clear/slightly opalescent liquid

pH: 7.0 - 9.5

RVT Brookfield viscosity @ 25°C, 20 rpm: 100 - 400 cPs

Dry content: 40 - 42%

Product properties

REOTAN HS is a fluidising agent active even at very low percentage. It is suitable for the treatment of many ceramic suspensions such as slips to be sprayed and engobes.

REOTAN HS is based on sodium polyacrylate, therefore it has a strong control of the tixotropy and yield point. Due to this, it is possible to obtain very interesting results, for instance, with the same viscosity, the sieving time can be much shorter.

The dosage in the engobes must be well studied in order to avoid sedimentations or dilatant behaviours if the addition is excessive.

REOTAN HS works very well together with silicates and/or phosphates generating, in many cases, a useful synergic action ideal for the deflocculation of bodies slips.

Changes in the colour to straw-yellowish or brown-reddish do not spoil the quality and the effectiveness of the product.

Applications

Reotan HS is generally added to the raw materials directly into the mill, but due to the fact that it is liquid, it is appropriate to adjust the viscosity of the suspension after the unloading phase or, for the engobes, at the glazing line.

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Mill charge	Body 100
Water	30 ÷ 40
Reotan HS	0.1 ÷ 0.5

Storage and handling

REOTAN HS is stable to prolonged storage under condition where extreme temperatures do not occur. The product should be stored between 5°C and 35°C and the shelf life is at least 36 months if this condition is observed

Packaging

25 kg - 100 kg drums and 1000 kg - 1200 kg plastic tank

Material safety

For specific indication consult the Safety Data Sheet

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