



Reotan APX/40

Chemical Description

Sodium polycarboxylated in aqueous solution.

Main Use

Fluidising agent for ceramic bodies and engobes.

Typical Values

Appearance at 20°C: Clear/opalescent liquid

pH: 7 - 9

RVT Brookfield viscosity @ 20°C, 20 rpm: 300 - 700 cPs

Dry content: 38 - 40%

Product Properties

REOTAN APX/40 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 APX/40 is based on sodium polyacrylate, therefore it has a strong control of the tixotrophy 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 APX/40 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 APX/40 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.

Mill charge	Body 100
Water	30 ÷ 40
Reotan APX/40	0.1 ÷ 1

Storage and Handling

REOTAN APX/40 is stable to prolonged storage under condition where extreme temperatures do not occur. The product should be stored between 5°C and 40°C and the shelf life is at least twelve months if this condition is observed.

Packaging

1000 kg plastic tank

Material Safety

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

ceramics.lamberti.com

This information and our technical recommendations, if any, both verbal and in writing, are given to the best of our knowledge, without any express or implied warranty, e.g., regarding their fitness for a specific purpose. Each user of our products is the sole responsible for assessing and ensuring compliance with all legal regulations including intellectual property laws and necessary certifications and authorizations with respect to the use, combination and processing of our products. Our technical recommendations do not release the user from the obligation to check its validity and to test our products as to their suitability and fitness for the intended processes and uses. The application, use and processing of both our products and the products manufactured by the user (on the basis of our technical recommendations, if any) are beyond our control and, therefore, the user is the sole responsible for them. Detailed information and instructions on handling the products and cautions to be observed in the use of them are available in our relevant Safety Data Sheet.