



Tenagreen 10130

Chemical Description

Silico-aluminate organically modified

Main Use

Temporary Body Binder, for Green and Dry Tile

Typical Values

Appearance at 25 °C: Liquid

Colour: Dark Brown

Density: about 1245 gr/l

pH: 5,0 - 9,5

Product Properties

Tiles:

Tenagreen 10130 is a liquid body binder specially developed for ceramic bodies with a low content of plastic clay.

It is a plasticizer for unfired tiles, in fact it increase the body strength (M.O.R.) of Green tile (after Press), and at the same time of Dry Tile (after Dryer).

It can be added directly in the mill, or in the slow mixing tank of the slip, or injected just before the Spry Dry.

It leave unchanged the main characteristics of ceramic body, such as shrinkage and water absorption; if it is added in the advised percentage doesn't influence the rheology of body slip.

Whiteware:

Added into the body slip before the forming process (casting or pressing) it improves the mechanical characteristics in green and dry stages, allowing to decrease the number of culls due to cracks and breakages before firing.

It is a product of natural origin (mineral-vegetable), not oil-derived.

Applications

Advised Dosage for tiles: 0,3-1,0%

Δ Modulus of Rupture Green Tile: +10-20%

Δ Modulus of Rupture Dry Tile: +20-40%

Advised Dosage for Whiteware: 0,04-0,35%

In whiteware applications Tenagreen 10130 has to be added into the slip in the tanks before casting, or spray drier in case of pressed tableware.

Storage and Handling

Tenagreen 10130 when stored under normal conditions of temperature (5°C to 40°C) is stable and maintains its characteristics for at least 6 month.

However, it is advisable to shake it before use.

Packaging

50 Kg drum, 1100 kg IBC.

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.