LAVIOSA
Advanced Mineral Solutions

Technical Data Sheet

additives@laviosa.com

Performance Additives
Decorative

LAVIOTHIX® P0
Rheological additive for water borne system

General information

LAVIOTHIX® ***P0*** is a thickening and antisettling agent, based on a selected, purified and activated white bentonite clay with a high montmorillonite content

Il ***LAVIOTHIX®*** ***P0*** is a tixotropic, antisettling, absorbing additives, rheological controller specific for water borne formulations that forms non transparent gel.

Chemical- physical properties

Composition: purified smectite (98% montmorillonite)
Physical form: white fine powder
Bulk Density: 0.7-0.8 g/ml
Dry residue: max 3% > 325 mesh (45 μm)
Moisture: 9-11%

Applications

- Adhesives
- Emulsion paints
- Bituminous emulsion
- Latex paints

Properties

LAVIOTHIX® ***P0*** is a rheological and thixotropical additive that gives stability and viscosity control, adhesion control and enhances texturing and stippling effects.
It can be incorporated as powder or as an aqueous 3-4 wt% pregel
LAVIOTHIX® ***P0*** is stable in a wide pH range 5-12

Incorporation

LAVIOTHIX® ***P0*** will hydrate when added to water. To obtain maximum hydration and optimum performance in the shortest time, we suggest following incorporation procedures:

1. Slowly add **LAVIOTHIX®** and increase shear rate to maximum amount which may be tolerated in the mixing container. Incorporates more quickly in warm water. However, do not allow water temperature to rise above 50° C prior to full hydration. Once hydration has occurred, there is no temperature limitation for **LAVIOTHIX®**
2. Continue to disperse until a constant viscosity is reached (15-30 min)
3. Add other formula ingredients in appropriate order

Laviosa Chimica Mineraria SpA - Italy
Laviosa Sanayi ve Ticaret Ltd Sti - Turkey
Laviosa MPC sas - France
Laviosa Trimex Industries Pvt Ltd - India

Recommendation

The viscosity of the slurry could rise during time after the preparation, it's better to measure viscosity the day after.

Dosage

Typical addition levels are 0.5% - 5.0% of ***LAVIOTHIX® P0*** by weight of total formulation
The addition levels depend on the degree of suspension, the rheological properties or viscosity required.

Storage stability and packing

Product do not deteriorate in a significant way in a 12 months period. Storage is advisable in a dry, sheltered place in closed bags. Packing is 25 kg net in paper bags.

Rev 1 July 2012

Laviosa Chimica Mineraria SpA - Italy
Laviosa Sanayi ve Ticaret Ltd Sti - Turkey
Laviosa MPC sas - France
Laviosa Trimex Industries Pvt Ltd - India