

Technical Data Sheet

ICLAY 21[®]

ORGANOCLAY RHEOLOGICAL ADDITIVE

SINGLE INVENTORY + MULTIPURPOSE + ECONOMICAL + COST EFFECTIVE

Description:

HEXAGON's ICLAY 21[®] organoclay single inventory multipurpose rheological additive is based on organic Quaternary Ammonium Modified Hectorite Bentonite clay chemistry. It is designed to use in low/moderate to high polarity systems containing solvents such as ketones, esters, glycol ethers and alcohols.

HEXAGON's ICLAY 21[®] is easy to incorporate in system in following ways

- Pre-Gel can be Incorporated initial stage of paint manufacturing process.
- Direct Powder can be Incorporated during Grinding process.

HEXAGON's ICLAY 21[®] Key Features and Benefits

- Is a cost-effective, single inventory replacement for all other conventional organoclay additives
- Disperse and pre-gel very easily, even under low shear conditions
- Provides stable and easy to control viscosity along with excellent sag and pigment settling control.
- Easy to maintain flow & Levelling
- Use of chemical activator is not needed.

Typical Physical Properties:

Composition	organic Quaternary Ammonium Modified Hectorite Bentonite clay
Appearance / Colour	White fine Powder
Bulk Density, gm/cu.cm	0.4-0.5
Oil Absorption, gm/100gm	22 ± 3
Moisture, H ₂ O (105°C), %	0.5~3.5
Pas Viscosity Mpa.S	≥ 1.5
Loss on Ignition (LOI), %	28~35
Granularity (200 mesh)	≥ 95%

Recommended Doses

HEXAGON's ICLAY 21[®] doses range between 0.2 % - 2.0 % based on total formulation weight.

Applications:

- Automotive Finishes
- Anti-Corrosive Paints
- Acid Curing systems
- Adhesives
- Road Marking Paints
- High DFT Epoxy Coatings
- Industrial and Marine Coatings
- High Performance Coatings and Printing Inks.
- Heavy-Duty Coatings
- Heat Resistance Coatings
- 1K TPA & 2K PU Coatings
- Anticorrosive Coatings
- Road Marking Paints
- Anti Fouling Paints
- Synthetic Enamels & QD paints
- Industrial Inks
- Industrial Greases
- Oil based Drilling Mud (Fluid)

Storage Recommendation and Shelf Life

Store in cool and dry place. Product has shelf life of 2 years from date of manufacturing.

Product Safety, Handling and Storage

Customers should review the latest Material Safety Data Sheet (MSDS) and label for product safety information, safe handling instructions, emergency service contact information, and any special storage conditions required for safety.

SDS is available upon request by contacting Hexagon Industrial directly.

Limitations

Customers must evaluate Hexagon products and make their own determination of suitability of their requirements.

Contact Information

For product prices, availability, or order placement, contact khateebzaidi@hexagonindustrial.com
For literature and technical assistance, visit our website at: www.hexagonindustrial.com