



norjohn limited

Emulsion Division

CORESHIELD™

PRODUCT DESCRIPTION

CORESHIELD™ is a patent pending product that will reduce water absorption of gypsum wallboard when directly incorporated into slurries at the mixer.

Formulated with a new generation of petroleum based waxes and polymers, these products set new standards for performance, consistency and stability.

CORESHIELD™ does not contain montan waxes or other similar waxes which can vary in composition and properties.

CORESHIELD™ is designed specifically to reduce or completely eliminate naphthalene sulphonates from highly dispersed gypsum slurries without affecting their fluidity or setting characteristics.

CORESHIELD™ can be tailored as required to meet specific demands of various types of stucco and production processes.

PHYSICAL PROPERTIES

Appearance	Light, off-white in colour
Density	0.97 kg/L \pm 0.02 (8.1 \pm 0.2 lb/US gal)
Viscosity*	less than 300 cPs
pH	9 \pm 2
Solids Content (wt%)	41.5 \pm 1.5%

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CORESHIELD™

APPLICATION

CORESHIELD™ should be directly added into a gypsum slurry at 35-80 lb/msf as necessary to meet water immersion specifications such as ASTM C630, 5 weight % absorption following 2 hours of immersion.

STORAGE AND HANDLING

Refer to Technical Bulletin 'Storage and Handling of **CORESHIELD™** Series Products for Gypsum Wallboard'.

Storage below 5°C (40 °F) or above 30°C (85 °F) is not recommended. Product may not recover from freezing. Avoid localized direct heating. Avoid conditions of high shear. Diaphragm, or progressive cavity pumps are recommended. Periodic recirculation or mixing is recommended after extended idle periods.

PACKAGING

Totes, Bulk tank loads

HEALTH & SAFETY

Read and understand Material Safety Data Sheet prior to using. Handle in accordance with good industrial hygiene and safety practices. Intended for industrial use only.

All shipments are accompanied by a Certificate of Analysis.

For additional information, performance testing, or other assistance, contact your Norjohn Emulsions Technical Representative.

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