

INTRODUCTION

MIKEM is a global specialty chemical manufacturer based in Dallas, USA, with branches, manufacturing plants, and partnerships worldwide. They serve four main industries—Building and Construction, Pharmaceutical Intermediates, Home and Personal Care, and Food and Beverage—offering customized, sustainable solutions. Their global production facilities are strategically located near raw materials and key markets, ensuring efficient, reliable supply chains. With a strong focus on innovation, they help the customers solve challenges and create value. MIKEM is committed to becoming a leading name in the specialty chemicals industry globally.

PRODUCT OVERVIEW

MELACOLL CELLULOSE ETHER
HPMC-MP70000SD

MELACOLL CELLULOSE ETHER
HPMC-MP70000

MELACOLL CELLULOSE ETHER
HEMC-ME70000

MELACOLL CELLULOSE ETHER
HEC-HE5000B

MIKRANT REDISPERSIBLE
POWDER RDP 50

MIKRANT PVA MA80

MIKRANT PCE SP630

MIKRANT GYPSUM
RETARDER P100

MIKRANT DEFOAMER
POWER P805

SILICONE HYDROPHOBIC
POWDER MSH60



Detailed Product Descriptions

Hydroxypropyl Methylcellulose (HPMC) HPMC-MP7000SD

Hydroxypropyl Methylcellulose (HPMC) is a non-ionic cellulose ether used as a thickener, water retention agent, and film former.

-Key Properties: High viscosity, excellent water retention, and film-forming ability, making it ideal for construction and pharmaceutical applications.

Hydroxypropyl Methylcellulose (HPMC) HPMC-MP70000

Another grade of Hydroxypropyl Methylcellulose (HPMC), this variant is known for its thickening, emulsifying, and stabilizing properties.

-Key Properties: Optimal for use in high-performance dry mortar systems with excellent open time and workability.

MELACOLL CELLULOSE ETHER HEMC-ME70000

Hydroxyethyl Methylcellulose (HEMC) is a cellulose ether that provides excellent water retention, viscosity, and workability.

-Key Properties: High water retention capacity and improved adhesion, ideal for construction applications.

MELACOLL CELLULOSE ETHER HEC-HE5000B

Hydroxyethyl Cellulose (HEC) is a water-soluble polymer used as a thickener and stabilizer.

-Key Properties: Excellent thickening properties, high water retention, and superior film-forming capabilities.

MIKRANT REDISPERSIBLE POWDER RDP 50

A redispersible polymer powder designed to improve flexibility, adhesion, and water resistance in cementitious mortars.

-Key Properties: Provides improved flexibility, crack resistance, and water resistance in dry-mix mortars.

MIKRANT PCE SP630

A polycarboxylate ether (PCE) superplasticizer for concrete and mortar formulations.

-Key Properties: High water-reducing capacity, improved flowability, and enhanced strength development.



MIKRANT PVA MA80

Polyvinyl Alcohol (PVA) is a water-soluble synthetic polymer used as an adhesive, binder, and film former.

-Key Properties: High adhesive strength, excellent film-forming abilities, and water solubility.

MIKRANT GYPSUM RETARDER P100

A gypsum setting retarder that controls the setting time of gypsum-based products.

-Key Properties: Effective retardation, providing extended workability without affecting the mechanical strength.

MIKRANT DEFOAMER POWER P805

A defoaming agent designed to reduce and eliminate foam in construction mixes like mortars and paints.

-Key Properties: High defoaming efficiency, long-lasting effects, and compatibility with a wide range of systems.

SILICONE HYDROPHOBIC POWDER MSH60

A silicone-based hydrophobic powder used to impart water repellency to construction materials.

-Key Properties: Provides excellent water repellency, improved durability, and increased longevity of construction materials.

Applications of Mikem Products

Hydroxypropyl Methylcellulose (HPMC) HPMC-MP7000SD

- Construction: Water retention and workability enhancer in cement-based products like tile adhesives and plasters.
- Pharmaceuticals: Binder and controlled release agent in tablets.
- Food: Thickener, emulsifier, and stabilizer.
- Personal Care: Thickening and film-forming agent in shampoos, creams, and lotions.

Hydroxypropyl Methylcellulose (HPMC) HPMC-MP70000

- Construction: Improves water retention, adhesion, and workability in adhesives and plasters.
- Pharmaceuticals: Binder and coating agent for tablets, suspensions.
- Food: Thickener and emulsifier.
- Personal Care: Thickens shampoos, creams, and lotions.
- Paints: Enhances viscosity and application.
- Detergents: Thickening and stabilizing agent.

MELACOLL CELLULOSE ETHER HEMC-ME70000

- Construction: Serves as a thickener, water retention agent, and binder in cement-based and gypsum-based products like tile adhesives, plasters, and renders.
- Paints and Coatings: Acts as a thickener, stabilizer, and dispersing agent.
- Personal Care: Used in cosmetics and personal care products for thickening and stabilizing.

MIKRANT REDISPERSIBLE POWDER RDP 50

- Construction: Improves flexibility, adhesion, and water resistance in mortars and tile adhesives.
- Ceramics: Enhances adhesion and strength in tile adhesives.
- Paints & Coatings: Adds flexibility and adhesion.

MELACOLL CELLULOSE ETHER HEC-HE5000B

- Paints and Coatings: Provides thickening, water retention, and stability.
- Construction: Enhances the water retention and workability of cement-based products.
- Personal Care: Used as a thickener, film-former, and binder in shampoos, lotions, and creams.
- Oilfield Applications: Serves as a rheology modifier and stabilizer in oilfield drilling fluids.

MIKRANT PCE SP630

- Concrete: Used to produce high-performance concrete with enhanced workability, reduced water content, and improved strength. Ideal for precast concrete, self-compacting concrete (SCC), and high-strength concrete.

MIKRANT PVA MA80

- Adhesives: Used in various adhesive formulations for paper, wood, and textiles.
- Textiles: Employed as a sizing agent to improve the strength and durability of yarns.
- Construction: Acts as a binder in construction materials and as a component in cement and mortar mixtures.
- Paper Industry: Used as a coating and adhesive agent.

MIKRANT GYPSUM RETARDER P100

- Construction: Extends the setting time of gypsum-based plasters and mortars, providing better workability and reducing waste.
- Dental Materials: Used in dental plaster and stone formulations to control setting time.

MIKRANT DEFOAMER POWER P805

-Construction: Used in cement-based and gypsum-based materials to reduce air entrainment and improve the density and surface finish of the final product.

-Paints and Coatings: Prevents foam formation during production and application, ensuring a smooth finish.

-Industrial Processes: Applied in various industrial processes to control foam formation in aqueous systems.



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SILICONE HYDROPHOBIC POWDER MSH60

-Construction: Provides water repellency to construction materials like concrete, mortar, and gypsum products, enhancing durability and reducing water absorption.

-Coatings: Used in paints and coatings to impart water-repellent properties.

-Textiles: Applied in textile finishing to provide water-repellent and stain-resistant properties.

