



2024

PRODUCT CATALOG

*"Inner peace
of buildings"*





About Us

K2C team its activities 16 years ago with the motto of "Don't just satisfy your customer but delight them". For this purpose, K2C performs operations meticulously around the world with its experiences in sector. Although, K2C provides local services with its agents in different countries.

For sustainable and effective support, K2C develops the most accurate, innovative, and high-quality products with the cooperation of suppliers and solution partners. In order to ensure to provide these services in timely manner, K2C carries out its R&D activities. In addition to this, products can also be modified according to the specific needs of the customers and local requirements.

K2C sees its customers as its business partners. K2C seeks the best customer experience from initial meeting to delivery of the product. With these values, K2C associates the demands of its clients and its own know-how knowledge to provide the best solutions via its experienced staff for many years.

Besides the sale activities of construction chemicals, K2C also offers consultation and contractor services for full plant establishment, forming the formulas of chemical compounds and laboratory services.

K2C always aims to develop customer-focused products and services to its customers with sustainable, trustworthy and strong relationships.

"Inner peace of buildings"



A red-tinted background featuring a molecular structure with spheres and connecting lines, overlaid with a diagonal band containing a construction scene.

K2C

EMCELL

Hydroxy Propyl Methyl Cellulose
(HPMC)

Emcell 201

Hydroxy Propyl Methyl Cellulose (HPMC)

Emcell 201 is a Hydroxy Propyl Methyl Cellulose (HPMC) with 20,000 mPa.s Viscosity. EMCEL 201 was developed for cement-based applications, like cement-based tile adhesives, especially for C1 and C2 grade tile adhesive. Good water retention, good slip resistance. It also exhibits good workability. The selected particle size distribution guarantees quick or lump free dissolution. It is compatible with all conventional mineral and organic binders. EMCEL 201 is intended for dry mixing with other powder materials and should not be used directly dissolving in water.



Emcell 201 which has a low degree/ratio of displacement and etherification, has been developed for cement-based product applications in the following Construction Chemicals.

Flex Tile Grout, Tile Grout, Silicone Tile Grout.

Specifications

Appearance	Powder
Viscosity	15,000 ~ 25,000 mPa.s
PH Value (1% solution)	6.0 ~ 8.0
Moisture Content	Max. 8%
Solubility	Watersoluble
Particle Size	<177µm: min. 95%

Viscosity Brookfield RV, 2% Solution, mPa.s at 20°C.



Emcell 251

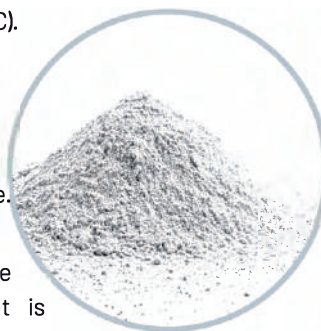
Hydroxy Propyl Methyl Cellulose (HPMC)

EMCELL 251 is a modified Hydroxy Propyl Methyl Cellulose (HPMC). EMCELL 251 was developed for cement-based applications, like cement-based tile adhesives, especially for standard grade tile adhesive (C1) and also for C2 grade.

Excellent open time. Good water retention. Good slip resistance.

It also exhibits good workability. The selected particle size distribution guarantees quick or lump free dissolution. It is compatible with all conventional mineral and organic binders EMCELL 251 is intended for dry mixing with other powder materials and should not be used directly dissolving in water.

Note: 1: The viscosity is measured by Brookfield viscometer on conditions of 2% neutral aqueous solution, Brookfield 20°C , 20RPM.



Specifications

Appearance	Powder
Viscosity	20,000 ~ 30,000 mPa.s
PH Value (1% solution)	6.0 ~ 8.0
Moisture Content	Max. 8%
Solubility	Watersoluble

Particle Size <177µm: min. 95%

Viscosity Brookfield RV, 2% Solution, mPa.s at 20°C.

Emcell 501

Hydroxy Propyl Methyl Cellulose (HPMC)

Emcell 501 is a Hydroxy Propyl Methyl Cellulose (HPMC) which has 50,000 mPa.s Viscosity. Emcell 501 which has a low degree/ratio of displacement and etherification, has been developed for cement-based product applications in the following Construction Chemicals.

Decorative Plaster, Styrofoam Plaster, Gas Concrete Adhesive, Ready Plaster, Thin Repair Mortar, Thick Repair Mortar, Historical building mortar, Styrofoam Adhesive.



Specifications

Appearance	White or Slight Yellow Flowing Powder
Viscosity	45 000 ~ 55 000 mPa.s
PH Value (1% solution)	5.0 ~ 8.0
Moisture Content	<5%
Solubility	Watersoluble
Particle Size	<177µm: min. 95%
Viscosity Brookfield RV, 2% Solution, mPa.s at 20°C.	

Emcell 701

Hydroxy Propyl Methyl Cellulose (HPMC)

Emcell 701 is a Hydroxy Propyl Methyl Cellulose (HPMC) which has 70,000 mPa.s Viscosity. Emcell 701 which has a low degree/ratio of displacement and etherification, has been developed for cement-based product applications in the following Construction Chemicals.

Exterior Insulation Finishing System (EIFS), Interior and exterior bonding agents pointing agent, Tile adhesive mortar, Crack filler, Self-leveling compound mortar, Gypsum-based plaster, Tile grout, Joints and crack fillers, Extruded cement panels, Gypsum manual plaster, Top skim coat manual plaster, Base coat manual plaster, Tile grout, Joints and crack filler.



Specifications

Appearance	White or Slight Yellow Flowing Powder
Viscosity	60 000 ~ 70 000 mPa.s
PH Value (1% solution)	5.0 ~ 8.0
Moisture Content	<5%
Solubility	Watersoluble
Particle Size	<177µm: min. 95%

Viscosity Brookfield RV, 2% Solution, mPa.s at 20°C.



Emcell 801A

Hydroxy Propyl Methyl Cellulose (HPMC)

EMCELL 801A is a modified cellulose ether.

EMCELL 801A was developed for use in cement-based applications, especially in C2 grade besides C1 standard grade, such as tile cement/adhesive.

The product has good operating performance. The selected particle size distribution guarantees quick and without clumping dissolution. Compatible with all traditional organic or mineral binders. EMCELL 801A should not be added directly to the water. Powder components and dry mortar mixture should be made and such water should be added.



Note: 1: Viscosity was measured in brookfield viscometer with 2% aqueous neutral solution. Brookfield 20°C, 2.55 / s.

Specifications

Appearance	Powder
Viscosity	65,000 ~ 75,000 mPa.s
PH Value (1% solution)	6.5 ~ 7.5
Moisture Content	Max. 8%
Solubility	Watersoluble
Particle Size	<177µm: min. 95%

Viscosity Brookfield, 2% Solution, mPa.s at 20°C.



Emcell 900

Hydroxy Propyl Methyl Cellulose (HPMC)

EMCELL 900 was developed for cement-based applications, like cement-based tile adhesives, especially for C2 grade besides standard grade tile adhesive C1. Good water retention, good slip resistance. It also exhibits good workability. The selected particle size distribution guarantees quick or lump free dissolution. It is compatible with all conventional mineral and organic binders.

EMCELL 900 is intended for dry mixing with other powder materials and should not be used directly dissolving in water.



Specifications

Appearance	Powder
Viscosity	60,000 ~ 70,000 mPa.s
PH Value (1% solution)	6.0 ~ 8.0
Moisture Content	Max. 8%
Solubility	Watersoluble
Particle Size	<177µm: min. 95%
Viscosity Brookfield, 2% Solution, mPa.s at 20°C.	



Emcell G27

Hydroxy Propyl Methyl Cellulose (HPMC)

EMCELL G27 is a Hydroxy Propyl Methyl Cellulose (HPMC). EMCELL G27 is used in gypsum plaster and machine plaster; It was excellent open time, good water retention, good slip resistance and good working performance of the product. Selected particle size distribution, fast and without clumping guarantees dissolution. It is compatible with all traditional organic or mineral binders.

EMCELL G27 should not be added directly to the water. Dry mortar mixture should be made with powder components and water should be added.



Specifications

Appearance	White or Slight Yellow Flowing Powder
Viscosity	35,000 ~ 43,000 mPa.s
PH Value (1% solution)	6.0 ~ 8.0
Moisture Content	Max. 5%
Solubility	Watersoluble
Particle Size	<177µm: min. 95%
Viscosity Brookfield, 2% Solution, mPa.s at 20°C.	

Emcell G65

Hydroxy Propyl Methyl Cellulose (HPMC)

EMCELL G65 is a Hydroxy Propyl Methyl Cellulose (HPMC). EMCELL G65 gypsum plaster and machine plaster; It was excellent open time, good water retention, good slip resistance and good working performance of the product. Selected particle size distribution, fast and without clubbing guarantees dissolution. It is compatible with all traditional organic or mineral binders.

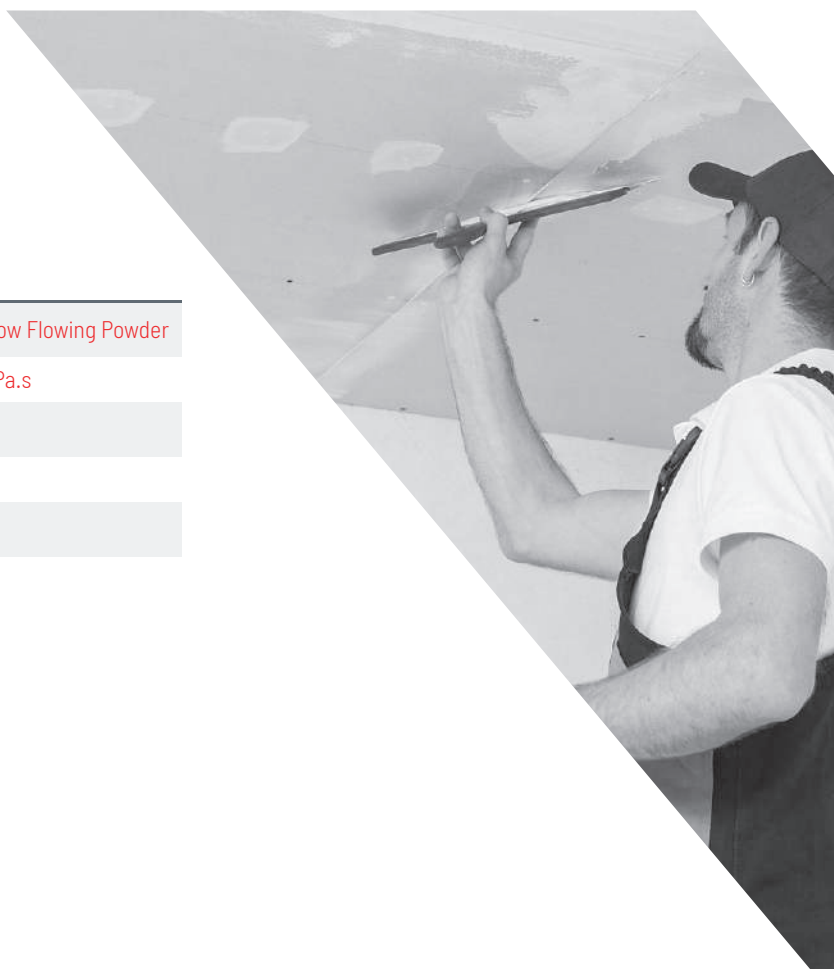
EMCELL G65 the solvent should not be added directly to the water. Dry mortar mixture should be made with powder components and water should be added.



Specifications

Appearance	White or Slight Yellow Flowing Powder
Viscosity	60,000 ~ 70,000 mPa.s
PH Value (1% solution)	6.0 ~ 8.0
Moisture Content	Max. 5%
Solubility	Watersoluble
Particle Size	<177µm: min. 95%

Viscosity Brookfield, 2% Solution, mPa.s at 20°C.



Emcell L10

Hydroxy Propyl Methyl Cellulose (HPMC)

EMCELL L10 a non-ionic, water soluble cellulose ether intended as a water retaining and consistency improving additive to cement based mortars. EMCELL L10 contains methyl, ethyl and hydroxyethyl substitution giving a unique balance between workability and strength.

EMCELL L10 is used in tile adhesives and grouts to improve the workability, consistency, water retention and adhesion.



Specifications

Appearance	White, Free Flowing Powder
Viscosity	300 ~ 500 mPa.s
PH Value (1% solution)	5.5 ~ 8.0
Moisture Content	Max. 5%
Solubility	Watersoluble
Particle Size	<177µm: min. 95%
Viscosity Brookfield RV, 2% Solution, mPa.s at 20°C.	

A red-tinted background featuring a molecular structure with spheres and connecting lines, creating a scientific and industrial feel.

K2C

EMCELL

Hydroxy Ethyl Methyl Cellulose
(HEMC)

Emcell 770

Hydroxy Ethyl Methyl Cellulose (HEMC)

EMCELL 770 was developed for use in cement-based applications, especially in C2 grade besides in C1 type standard tile cement, such as tile cement / adhesive.

- Excellent open time
- Good water retention
- Good slip resistance

The product has good operating performance. The selected particle size distribution guarantees quick and easy dissolution. Compatible with all traditional organic or mineral binders. EMCELL 770 solvent should not be added directly to the water. Powder components and dry mortar mixture should be made and such water should be added.



Specifications

Appearance	White Flowing Powder
Viscosity	65,000 ~ 75,000 mPa.s
PH Value (1% solution)	6.0 ~ 7.0
Moisture Content	Max. 8%
Solubility	Watersoluble
Particle Size	<177µm: min. 95%
Viscosity Brookfield, 2% Solution, mPa.s at 20°C.	



Emcell 401

Hydroxy Ethyl Methyl Cellulose (HEMC)

EMCELL 401 is a Hydroxy Ethyl Methyl Cellulose (HEMC). EMCELL 401 was developed for use in cement-based applications, in C1 type standard tile cement, especially for C2 grade such as tile cement / adhesive.

Excellent open time. Good water retention. Good slip resistance.

The product has good operating performance. The selected particle size distribution guarantees quick and without clumping dissolution compatible with all traditional organic or mineral binders.

EM CELL 401 should not be added directly to the water. Powder components and dry mortar mixture should be made and such water should be added.

Note: 1: Viscosity was measured in brookfield viscometer with 2% aqueous neutral solution. Brookfield 20°C ,2.55/s



Specifications

Appearance	Powder
Viscosity	20,000 ~ 25,000 mPa.s
PH Value (1% solution)	6.2 ~ 7.0
Moisture Content	Max. 8%
Solubility	Watersoluble
Particle Size	<177µm: min. 95%
Viscosity Brookfield RV, 2% Solution, mPa.s at 20°C.	

Emcell 421

Hydroxy Ethyl Methyl Cellulose (HEMC)

EMCELL 421 is a Hydroxy Ethyl Methyl Cellulose (HEMC). EMCELL 421 was developed for use in cement-based applications, in C1 type standard tile cement, especially for C2 grade such as tile cement / adhesive.

Excellent open time. Good water retention. Good slip resistance.

The product has good operating performance. The selected particle size distribution guarantees quick and without clumping dissolution compatible with all traditional organic or mineral binders. EMCELL 421 should not be added directly to the water. Powder components and dry mortar mixture should be made and such water should be added.



Note: 1: Viscosity was measured in brookfield viscometer with 2% aqueous neutral solution. Brookfield 20°C ,2.55/s

Specifications

Appearance	Powder
Viscosity	20,000 ~ 25,000 mPa.s
PH Value (1% solution)	6.2 ~ 7.0
Moisture Content	Max. 8%
Solubility	Watersoluble
Particle Size	<177µm: min. 95%

Viscosity Brookfield RV, 2% Solution, mPa.s at 20°C.



Emcell 7010

Hydroxy Ethyl Methyl Cellulose (HEMC)

EMCELL 7010 is used in gypsum plaster and machine plaster; It has excellent open time, good water retention, good slip resistance and good working performance of the product. Selected particle size distribution, guarantees fast and without clumping dissolution. It is compatible with all traditional organic or mineral binders.

EMCELL 7010 should not be added directly to the water. Dry mortar mixture should be made with powder components and water should be added.



Specifications

Appearance	White or Slight Yellow Flowing Powder
Viscosity	33,000 ~ 35,000 mPa.s
PH Value (1% solution)	6.0 ~ 8.0
Moisture Content	Max. 5%
Solubility	Watersoluble
Particle Size	<177µm: min. 95%
Viscosity Brookfield, 2% Solution, mPa.s at 20°C.	

Emcell 601

Hydroxy Ethyl Methyl Cellulose (HEMC)

EMCELL 601 is a Hydroxy Ethyl Methyl Cellulose (HEMC). EMCELL 601 was developed for use in cement-based applications, in C1 type standard tile cement, especially for C2 grade such as tile cement/adhesive.

Excellent open time. Good water retention. Good slip resistance.

The product has good operating performance. The selected particle size distribution guarantees quick and without clumping dissolution. Compatible with all traditional organic or mineral binders. EMCELL 601 should not be added directly to the water. Powder components and dry mortar mixture should be made and such water should be added.



Note: 1: Viscosity was measured in brookfield viscometer with 2% aqueous neutral solution. Brookfield 20°C ,2.55/s

Specifications

Appearance	Powder
Viscosity	45,000 ~ 55,000 mPa.s
PH Value (1% solution)	6.0 ~ 7.0
Moisture Content	Max. 8%
Solubility	Watersoluble
Particle Size	<177µm: min. 95%
Viscosity Brookfield RV, 2% Solution, mPa.s at 20°C.	



Emcell L17

Hydroxy Ethyl Methyl Cellulose (HEMC)

EMCELL L17 a non-ionic, water soluble cellulose ether intended as a water retaining and consistency improving additive to cement based mortars. EMCELL L17 contains methyl, ethyl and hydroxyethyl substitution giving a unique balance between workability and strength.

EMCELL L17 is used in tile adhesives and grouts to improve the workability, consistency, water retention and adhesion.



Specifications

Appearance	White, Free Flowing Powder
Viscosity	6,000 ~ 9,000 mPa.s
PH Value (1% solution)	5.5 ~ 8.0
Moisture Content	Max. 5%
Ash Content	Max. 6%

Viscosity Brookfield RV, 2% Solution, mPa.s at 20°C.

A red-tinted background featuring a molecular structure with spheres and connecting lines, creating a scientific and industrial feel.

K2C

EMCELL

Hydroxy Ethyl Cellulose
(HEC)

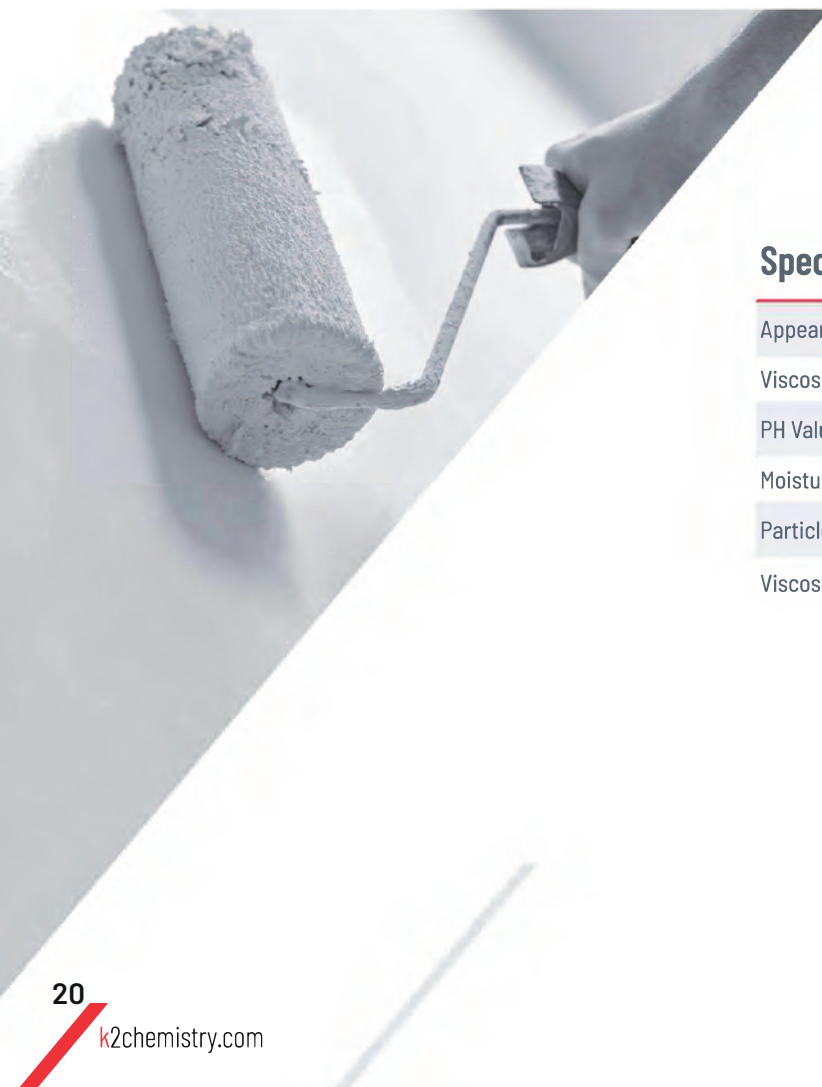


Emcell 1208

Hydroxy Ethyl Cellulose (HEC)

Emcell 1208, a Hydroxy Ethyl Cellulose (HEC), is a medium viscosity non-ionic, water-soluble type polymer. EMCELL 1208 (HEC) Water-based dyes which are obtained from wood pulp or cotton linter are also used as an aid to water-holding and rheology modifier.

EMCELL 1208 is widely used for water-based paints. it provides good pseudoplastic flow and wide compatibility with colored pigments, emulsion polymers, surfactants, emulsifiers, defoamers and preservatives. in order to avoid lump formations caused by quicker than optimal dissolution rate, EMCELL 1208 is properly treated to achieve optimum hydration time for the application.



Specifications

Appearance	Off White Powder
Viscosity	1,500 ~ 2,500 mPa.s
PH Value (1% solution)	6.0 ~ 8.5
Moisture Content	Max. 5%
Particle Size	<177µm: 90%

Viscosity Brookfield RV, 1% Solution, mPa.s at 25°C.

Emcell 1209

Hydroxy Ethyl Cellulose (HEC)

Emcell 1209 which is used to support water-holding and as a rheology modifier in water-based paints, is a water-soluble polymer with a high degree of viscosity. It is in a class that has biostability in solution against enzymatic attack

EMCELL 1209 is widely used for water-based paints. Colored pigments provide good pseudoplastic fluidity and wide compatibility with emulsion polymers, surfactants, emulsifiers, defoamers and preservatives. To avoid lump formations that may occur faster than optimal dissolution rate, EMCELL 1209 is properly processed to achieve optimum hydration time for application.



Specifications

Appearance	Off White Powder
Viscosity	3,500 ~ 5,000 mPa.s
PH Value (1% solution)	6.0 ~ 8.5
Moisture Content	Max. 5%
Particle Size	<425 μ m: 90%

Viscosity Brookfield RV, 1% Solution, mPa.s at 25°C.

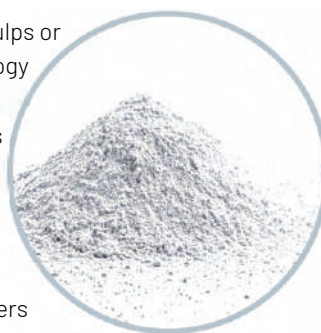


Emcell 1310

Hydroxy Ethyl Cellulose (HEC)

EMCELL 1310 is a non-ionic water-soluble polymer from wood pulps or cotton linters that can be used for water retention aid and rheology modifier in water-based paints. EMCELL 1310 is a high viscosity grade of hydroxy ethyl cellulose. It is available in a grade that has bio-stability in solution against enzymatic attack.

EMCELL 1310 is widely used for water-based paints. It provides good pseudoplastic flow and wide compatibility with colored pigments, emulsion polymers, surfactants, emulsifiers, defoamers and preservatives. In order to avoid lump formations caused by a quicker than optimal dissolution rate, EMCELL 1310 is properly treated to achieve optimum hydration time for the application.



Specifications

Appearance	Off White Powder
Viscosity	7,500 ~ 8,500 mPa.s
PH Value (1% solution)	6.5 ~ 7.5
Moisture Content	Max. 5%
Particle Size	<425 µm: 90%

Viscosity Brookfield RV, 1% Solution, mPa.s at 25°C.



RPP MT

Redispersible Polymer Powder
(RDP)



RPP MT 100

Redispersible Polymer Powder

RPP MT 100 Vinyl Acetate is a redispersible polymer powder produced by spraying special water-based emulsion based on ethylene and acrylic acid and by drying it. It increases the adhesion strength of the product used with our product. In addition, the product has features such as high bending strength, Excellent rheology, Improving runability, Great abrasion resistance and durability, Increasing water holding capacity and extending the duration of Open Time.



RPP MT 100 Vinyl Acetate which has a low degree / ratio of displacement and etherification, has been developed for cement-based product applications in the following Construction Chemicals.

Ceramic Adhesive, Granite and Marble Adhesive, Decorative Plaster, Styrofoam Plaster, Ready Plaster, Pool Tile Adhesive, Thin Repair Mortar, Thick Repair Mortar, Self-leveling Screed, Historical bu mortar, Styrofoam Adhesive.



Specifications

Appearance	White, Free Flowing Powder
Polymer Based	VAC/E
Solid Content	98.0%
Ash Content (1000°C)	11%±2
Average Particle Size	~80µm
Stacking Density (G/L)	450 - 550
pH	5.0 - 8.0 (As a 10% Dispersion in Water)
Tg (°C)	6
MFFT (°C)	0

RPP MT 151

Redispersible Polymer Powder

RPP MT 151 is a powder polymer based on vinyl acetate and ethylene copolymer. It is a flexible powder polymer used for modification of mortar and plaster systems which are cement-based with or without lime. It increases the adhesion strength of the product used with our product. In addition, the product has features such as high bending strength, Excellent rheology, Improving runability, Great abrasion resistance and durability, Increasing water holding capacity and extending the duration of Open Time.

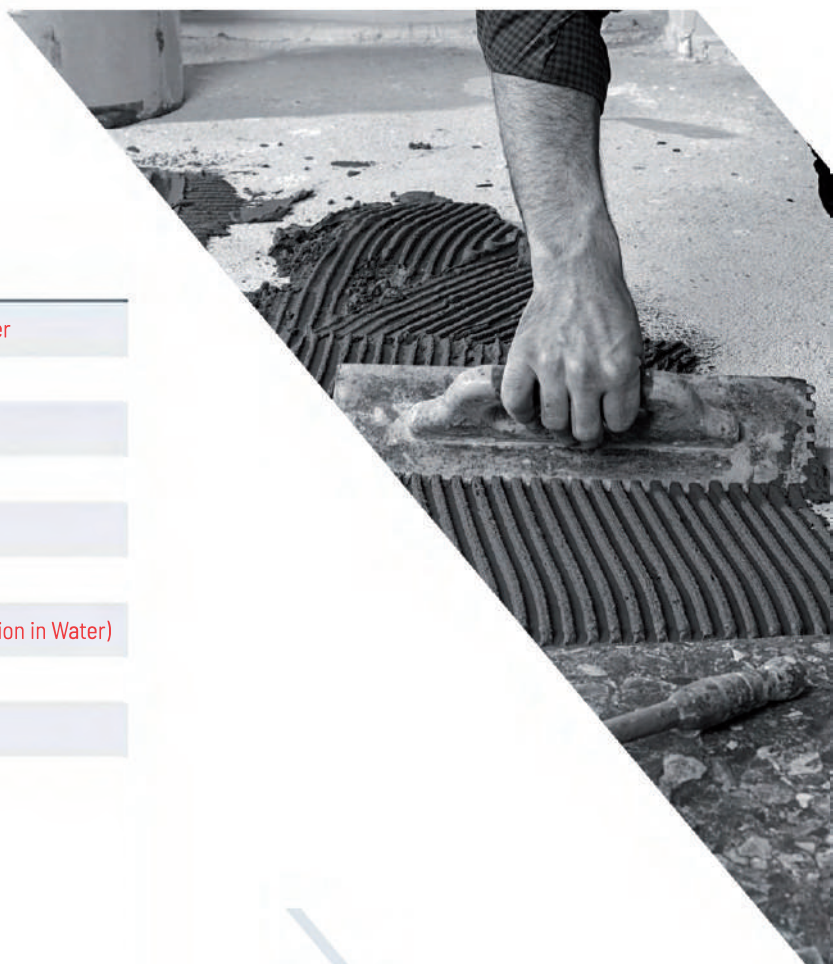


RPP MT 151 Vinyl Acetate/Ethylene copolymer which has a low degree/ratio of displacement and etherification, has been developed for cement-based product applications in the following Construction Chemicals.

Flex Tile Grout, Tile Grout, Silicone Tile Grout.

Specifications

Appearance	White, Free Flowing Powder
Polymer Based	VAC/E
Solid Content	98.0%
Ash Content (1000°C)	11% ±2
Average Particle Size	~80µm
Stacking Density (G/L)	450 - 550
pH	5.0 - 8.0 (As a 10% Dispersion in Water)
Tg (°C)	4
MFFT (°C)	0



RPP MT 151E

Redispersible Polymer Powder

RPP MT 151 E is a redispersible polymer 151 E produced by spray-drying special water-based emulsion, mostly based on vinyl acetate and ethylene. It dissolves in water easily and quickly forms emulsion.

Skim coat (Putty), EIFS system mortar, Tile adhesive / Tile joint filler, Self-level mortar.

Supply high flexibility, Increase adhesion strength, Improves workability, Improve water proofing of mortar and Reduce water absorption.



Specifications

Appearance	White, Free Flowing Powder
Polymer Based	VAC/E
Solid Content	99.0%
Ash Content (1000°C)	9% ±2
Stacking Density (G/L)	450 - 550
Average Particle Size	~80µm
pH	5.0 - 7.0 (As a 10% Dispersion in Water)
Tg (°C)	3
MFFT (°C)	0

RPP MT 151EC

Redispersible Polymer Powder

RPP MT 151 EC is a redispersible polymer 151 EC produced by spray-drying special water-based emulsion, mostly based on vinyl acetate and ethylene. It dissolves in water easily and quickly forms emulsion.

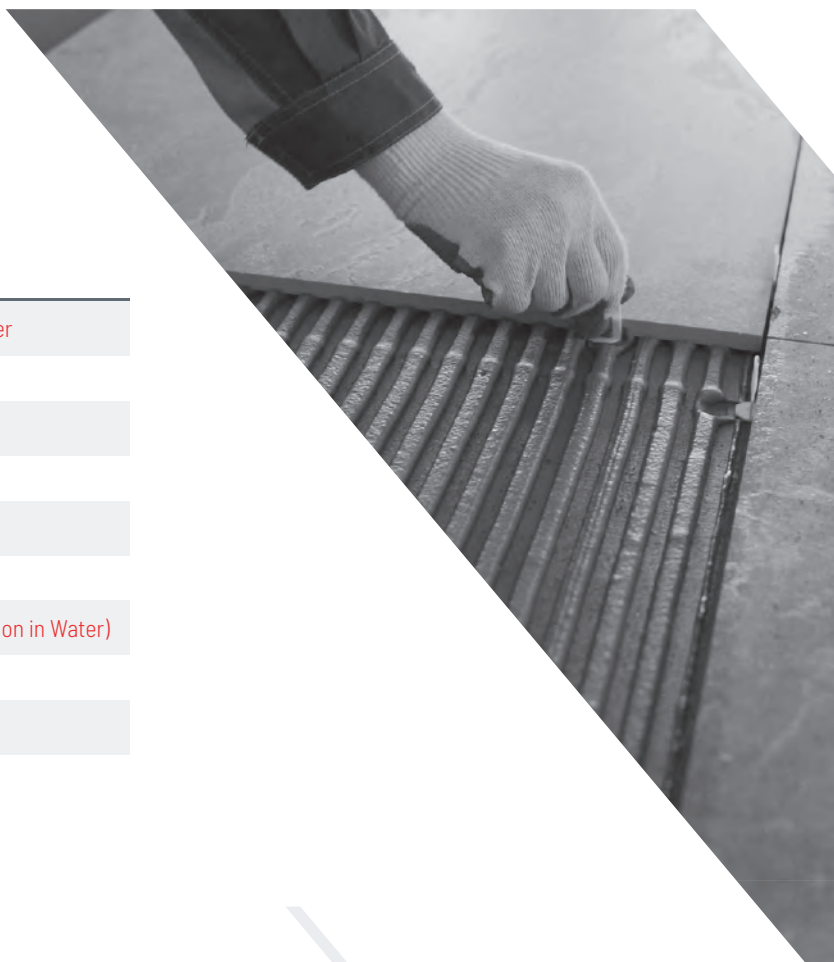
Skim coat (Putty), EIFS system mortar, Tile adhesive / Tile joint filler.

Supply high flexibility, Increase adhesion strength, Improves workability, Improve water proofing of mortar and reduce water absorption.



Specifications

Appearance	White, Free Flowing Powder
Polymer Based	VAC/E
Solid Content	99.0%
Ash Content (1000°C)	9% ±2
Stacking Density (G/L)	450 - 550
Average Particle Size	~80µm
pH	6.0 - 7.0 (As a 10% Dispersion in Water)
Tg (°C)	5
MFFT (°C)	0



RPP MT 151H

Redispersible Polymer Powder

RPP MT 151 H Redispersible Polymer is a free-flowing, white powder obtained by spray drying aqueous vinyl acetate-ethylene copolymer dispersion. It offers all the advantages of a free flowing powder including ease of transportation, storage and handling. RPP MT 151 H properties of cement-based formulations for the construction industry.



RPP MT 151 H Redispersible Polymer is especially suited for building materials. It provides excellent impact resistance and helps to reduce the formation of cracks in thin-layer applications.

RPP MT 151 H Redispersible Polymer Powder provides excellent adhesion even to difficult substrates. Due to its hydrophobic properties, RPP MT 151 H Redispersible Polymer Powder reduces the capillary water absorption in cement-based building products and is therefore especially recommended for thermal insulation systems, cement-based plaster and grouts.



Specifications

Appearance	White, Free Flowing Powder
Polymer Based	VAC/E
Solid Content	99.0%
Ash Content (1000°C)	11 - 15%
Average Particle Size	~80µm
Stacking Density (G/L)	450 - 550
pH	7.4 (As a 10% Dispersion in Water)
Tg (°C)	4
MFFT (°C)	0

RPP MT 500

Redispersible Polymer Powder

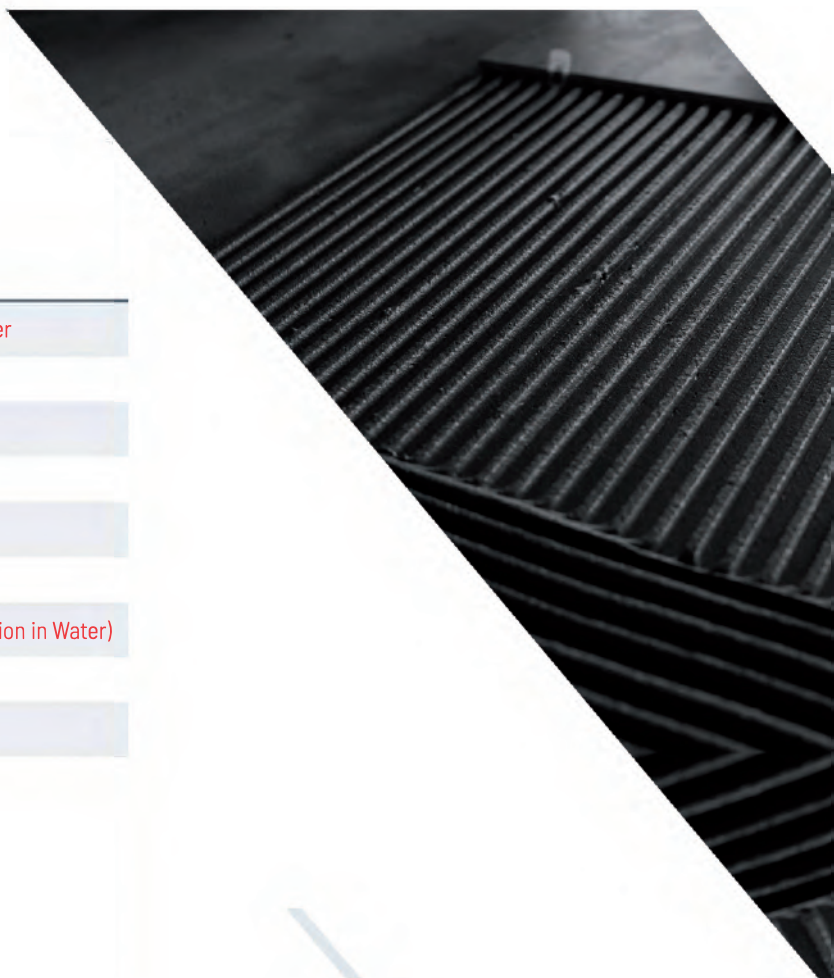
RPP MT 500 is a redispersible binder based on a copolymer of vinyl acetate and ethylene. It is a hard powder polymer used for modification of mortar and plaster systems which are cement-based with or without lime.

Particularly suitable for use in trowelling, adhesive and composite mortars for composite thermal insulation systems (CTI systems) with rigid polystyrene foam slabs mineral wool slabs, where very good adhesive properties are demanded, in particular after wet storage, as well as good indentation resistance.



Specifications

Appearance	White, Free Flowing Powder
Polymer Based	VAC/E
Solid Content	99.0%
Ash Content (1000°C)	10.5% ±2
Average Particle Size	~80µm
Stacking Density (G/L)	450 - 550
pH	6.0 - 9.0 (As a 10% Dispersion in Water)
Tg (°C)	8
MFFT (°C)	0





There is PEACE at its foundation!

There is TRUST at its foundation!

There is PASSION at its foundation!

*The raw materials you need
with our high-tech products...*



2024

PRODUCT CATALOG

5th Floor 167-169 Great Portland Street, London, United Kingdom, W1W 5PF
✉ info@k2chemistry.com ☎ +44 2039 257262
📞 +44 7392 235899

k2chemistry.com