A

INTRODUCTION OF CELLULOSE ETHER

Application

Cellulose ethers are high molecular polymers made by cellulose through etherification reaction. They are water-soluble and used for thickening, water-holding, lubrication, stabilization in various fields such as construction, ceramic extrusion, textile, paint, oil drilling, food, toothpaste, medicine, paper-making, ink and resin etc.

MAIN PRODUCTS

Our main products are: Hydroxypropyl Methyl Cellulose(HPMC), Hydroxyethyl Methyl Cellulose(HEMC/MHEC), Sodium Carboxymethyl Cellulose(CMC), Hydroxyethyl Cellulose(HEC), Re-dispersible Polymer Powder (RDP).

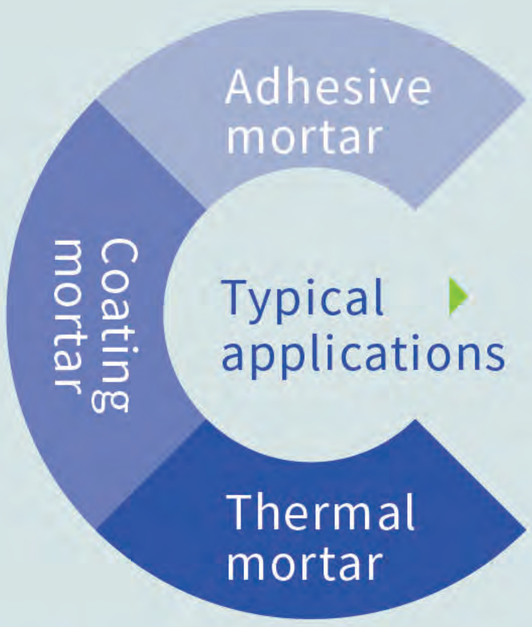
APPLICATION FIELD

A1

HPMC——EXTERNAL THERMAL INSULATION COMPOSITE SYSTEMS

HPMC FOR ETICS(EXTERNAL THERMAL INSULATION COMPOSITE SYSTEMS)

ETICS is an insulation structure composed of insulation layer, protective layer and fixed materials. Its main function is to improve the insulation performance of building envelope and reduce energy consumption. **LANDCEL** products can give effectively improvement on the water retention, anti cracking, open time, sag resistance, workability of the ETICS mortars.



ADVANTAGES

- Increase water retention performance.
- Enhance the adhesives strength.
- Increase cohesion strength, prevents cracking.
- Improve the wear resistance of the surface, prolong durability.
- Increase the workability.

TRANSPORT & STORAGE & PACKING

1. 25 kg net Paper-PE compound bag with inner PE film bag.
2. 12 Tons in 20' FCL container or 28 Tons in 40' FCL container.
3. Blank bags or OEM bags are available.

Storage: In dry places, avoid from rain, sunlight, other chemicals. Sealed if the bag is unspent.

RECOMMENDATION PRODUCTS

Product grade	Viscosity NDJ-1	Viscosity Brookfield	ETICS		
			Adhesive	Coating	Thermal
General grade					
MH75T	75,000	35,000	●●	●●●	
MH100T	100,000	45,000	●●●	●●●	
MH150T	150,000	55,000			●●●
MH200T	200,000	65,000			●●●
Modified grade					
LD1210	125,000	50,000	●●	●●	●●
LD1516	150,000	55,000	●●●	●●●	
S2118	175,000	60,000			●●●
M3110	75,000	40,000	●●	●●	
M3228	175,000	60,000			●●●

A2

HPMC——TILE ADHESIVE AND TILE GROUTS

HPMC FOR TILE ADHESIVE AND TILE GROUTS

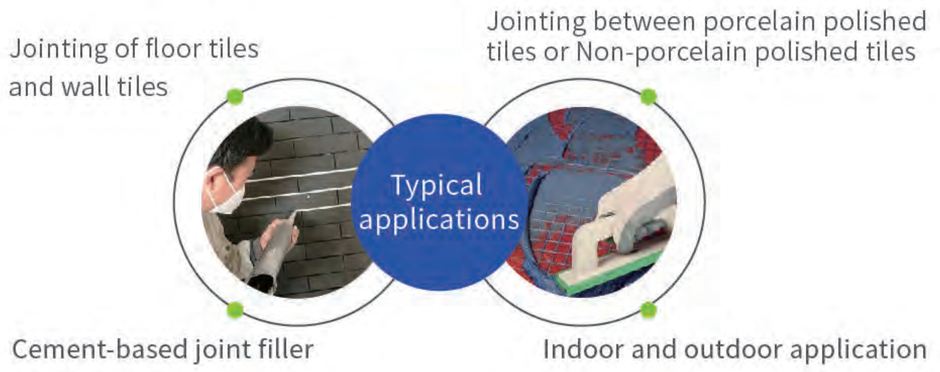
TILE ADHESIVE

Landcel has a wide range of products to meet the technical request on tile adhesive formulations, as shown in the following advantages:

- Improve water retention of mortar
- Prolong the open time
- Enhance the wettability of mortar
- Gives excellent anti sagging performance

TILE GROUTS

Landcel HPMC can be used in different tile grouts such as ceramic tile ,mosaic, marble and other materials.



ADVANTAGES

- -Improve the adhesion strength.
- - Improve the flexibility and deformation ability of caulking agent.
- - Reduce bleeding & cracking.
- - Excellent workability and thixotropy.

TRANSPORT & STORAGE & PACKING

1. 25 kg net Paper-PE compound bag with inner PE film bag.
2. 12 Tons in 20' FCL container or 28 Tons in 40' FCL container.
3. Blank bags or OEM bags are available.

Storage：In dry places, avoid from rain, sunlight, other chemicals. Sealed if the bag is unspent.

RECOMMENDATION PRODUCTS

Product grade	Viscosity NDJ-1	Viscosity Brookfield	Tile Adhesive	
			Economic	Premier
General grade				
MH75T	75,000	35,000	●●	●●
MH100T	100,000	45,000	●●●	
MH150T	150,000	55,000	●●●	
MH200T	200,000	65,000	●●●	●●
Modified grade				
LD1210	125,000	50,000	●●●	
LD1516	100,000	45,000		●●●
S2118	175,000	60,000		●●
S2166	70,000	30,000	●●	
M3110	75,000	40,000		●●

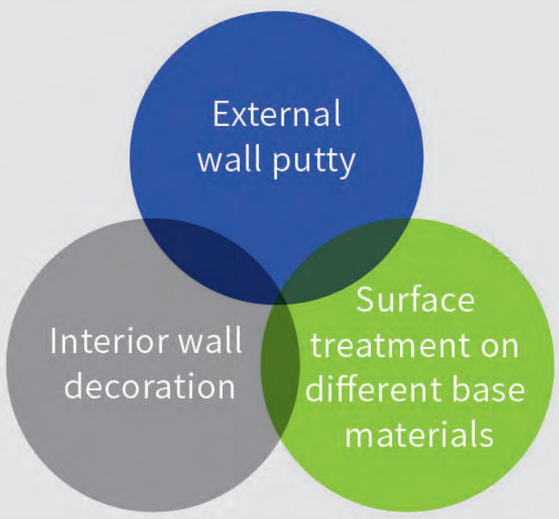
A3

HPMC——SKIM COAT

HPMC FOR SKIM COAT

Putty(also named by skim coat) is a decorative and functional trowelling plaster material for interior or external wall construction. Landcel Cellulose ether can improve the water retention and smoothness of putty, prolong the setting time and anti-slip performance.

APPLICATION



ADVANTAGE

- Enhances the adhesion strength. Prolong the setting time.
- Improve water retention, consistency and stability of putty.
- Gives good workability to putty.

TRANSPORT & STORAGE & PACKING

1. 25 kg net Paper-PE compound bag with inner PE film bag.
2. 12 Tons in 20' FCL container or 28 Tons in 40' FCL container.
3. Blank bags or OEM bags are available.

Storage: In dry places, avoid from rain, sunlight, other chemicals. Sealed if the bag is unspent.

RECOMMENDATION PRODUCTS

Product grade	Viscosity NDJ-1	Viscosity Brookfield	Skim Coat		
			Lime based	Gypsum based	Cement based
General grade					
MH75T	75,000	35,000		●●	
MH100T	100,000	45,000	●●●		●●●
Modified grade					
LD1516	100,000	45,000	●●		●●
S2128	75,000	40,000	●●●	●●●	●●●
M3110	75,000	40,000	●●●	●●●	●●●
M3116	70,000	30,000	●●	●●	●●●
M3228	175,000	60,000		●●●	

A4

HPMC——GYPSUM PLASTER

HPMC FOR GYPSUM PLASTER

RECOMMENDATION PRODUCTS

Landcel HPMC can significantly improve the construction performance of gypsum based products.

Product grade	Viscosity NDJ-1	Viscosity Brookfield	Gypsum Based Mortar	
			Handy plaster	Sprayed gypsum render
General grade				
MH40T	40,000	20,000	●●	●●●
MH75T	75,000	35,000	●●●	
MH100T	100,000	45,000	●●●	
MH150T	150,000	55,000	●●●	
Modified grade				
LD1516	100,000	45,000	●●	
S2118	175,000	60,000	●●●	
S2128	75,000	40,000	●●	
S2166	70,000	30,000	●●	●●●

TRANSPORT & STORAGE & PACKING

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TYPICAL APPLICATION & ADVANTAGE

- Handy gypsum plaster
- Sprayed gypsum render
- Interior finishing / Skim coat plaster

TYPICAL APPLICATION

ADVANTAGE

- Good thixotropy and anti-sag performance
- Excellent water retention performance
- Improve fluidity and pump-ability, easy to apply
- Prolong the open time

A5

HPMC——SELF-LEVELING MATERIALS

HPMC FOR SELF-LEVELING MATERIALS

Landcel products gives the rheology and workability of the full range of flooring formulations. Improves ease of on-site application and ensures exceptionally smooth, defect-free surfaces.

Application

Industrial and residential flooring

Cement based self-leveling materials and screeds

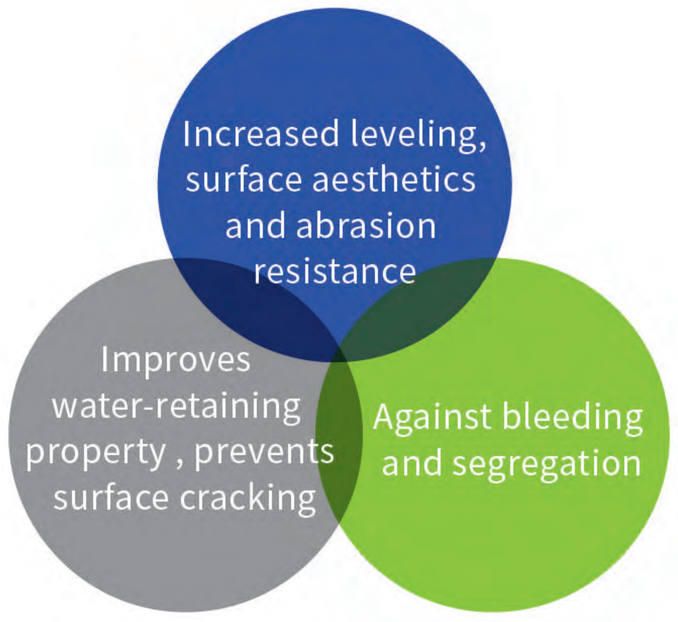
Gypsum based floorings

Pumpable and hand-applied self-leveling materials

RECOMMENDATION PRODUCTS

Product grade	Visco.NDJ	ViscoBrookfield	Self-leveling materials
General grade			
MH400	400	400	●●●

ADVANTAGE



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