



BERMOCOLL M 70

Cellulose ether with extra high water retention capacity for low cost mortars, "C0" tile adhesive, skim coat and EIFS.

BERMOCOLL is the trademark for a wide range of water soluble, non-ionic cellulose ethers.

BERMOCOLL M 70 is high viscosity methyl ethyl hydroxyethyl cellulose, can preferable be used at minimum dosages in low cost cement based formulations.

Visc. 1% sol. cP	Mod. degree	Phys. form	Normal Dosage %
~7000	None	Powder	0,15 – 0,3

BERMOCOLL M 70 is an additive which gives extraordinary properties to the mortar, such as

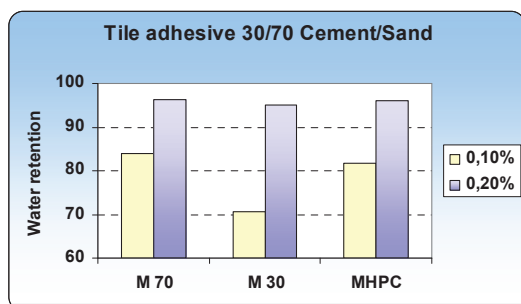
- good balance between workability and strength
- high water retention capacity
- cost advantage due to low dosage

BERMOCOLL M 70 is designed with three different substituents giving extremely good workability of cement based mortars and maintains good strength in mortar when low dosage is used due to its water retention capacity.

The product is especially suitable for "C0" tile adhesive, skim coats and can be used in EIFS (ETICS) system if it is combined with re-dispersible powder.

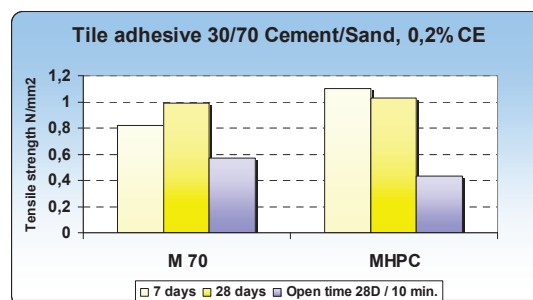
Water retention

The graph below shows the water retention at 0,1-0,2% dosage in a "C0" tile adhesive.



Tensile adhesion strength in a "C0" tile adhesive

The graph below shows the tensile strength in a simple cement based tile adhesive containing **BERMOCOLL M 70**, compared with a MHPC grade.
(acc. to method EN 1348)



Remark: C0 mortar is not an official designation in EN 12004, but used of the mortar industry.

EIFS – ETICS

(Exterior Insulation Finishing System – External Thermal Insulation Composite System)

BERMOCOLL M 70 is suitable in EIFS system for cost saving reasons due to low required dosage.

(Polystyrene failure = failure in the polystyrene substrate, %)

