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Territory: Poland (Coatings and Construction)



**TiKEM**Hungary  
A GLOCAL COMPANY

INTERIOR WALLPAINTS  
FINE PLASTERS  
PUTTIES



SODIUM-CARBOXYMETHYLCELLULOSE  
**TiCELL P SERIES**  
THICKENERS



**TiKEM**Hungary  
A GLOCAL COMPANY

## SODIUM CARBOXYMETHYL CELLULOSE TiCELL P (paint) series

### GENERAL INFORMATION:

"TiCELL P" is a SCMC Technical Grade specifically developed as an additive for interior water based dispersion wall-paints and plasters, excellent thickener with good adhesion ability. It helps film formation and increases viscosity. It improves the hiding power of paints and reduces paint run. The addition of a small quantity of this product (0,6-1,2%wt) is sufficient to produce the desired thixotropy and viscosity.

The texture of CMC-water solution will be jelly; it gives a special "yoghurt effect"!

Higher percentages of dosage (1,5-3%wt) of TiCELL prevents settling of insoluble components and liquid separation. (rheological effect)

*Important information: its abilities are the best when completely dissolved!*

TiCELL P CMC types have excellent compatibility with all the ingredients of water-based paints and plasters and cost effective with a high value-price ratio.

ORIGIN: EU

### APPLICATION GUIDE:

#### TiCELL P/90G and TiCELL P/60G (G: granulated)

Application for "**presolution**" system we suggest **preparing a pre-gel**: dissolve the CMC in water, by continuous stirring to reach the complete homogenised solution. The shelf life of the prepared solution is 48-72 hours; after we suggest renewing it to preventing fungal infection. (If longer time requested please use biocide) Add to the mixer the pre-gel at start phase. It can be added also at last phase of mixing (post-dosage) we suggest renewing it for correction of the subsequent viscosity. **Recommended dosages (approx.) TiCELL P/90G: 0,6%wt and TiCELL P/60G: 0,9%wt; the proposed pre-gel concentrate is 3,5-4%.**

Application for the "**direct addition**" technology: Add the above mentioned CMC types and dosages at the initial phase of mixing to the water; suggested stirring time is 15 minutes. Add other formula ingredients in the appropriate order.

## PRODUCT SPECIFICATION

Average specification* Technical Grades	TiCELL P/90G	TiCELL P/60G	TiCELL P/60FS
Bulk Density	400-650 g/l	400-650 g/l	250-450 g/l
CMC content: dry basis %	Min. 65	Min. 65	Min. 65
Degree of Substitution	06±0,05	06±0,05	06±0,05
Moisture content: %	Max. 8	Max. 8	Max. 8
pH Value	8-10	8-10	8-10
Viscosity: (Brookfield RVT) (method: 20°C; 2%; 2/50) (*in 3%)	220-360 mPa.s	150-250 mPa.s	150-250 mPa.s
Color:	Whitish	Whitish	Whitish
Appearance:	Granulate	Granulate	Light powder

### PURIFIED CMC GRADE: "TiCELL R":

For your request we can offer high active content (~99%) CMC grade for dispersion paint & plaster and pasty plaster (putty) production as well.

Types **TiCELL R/MV 1000**; **TiCELL R/HV 1600** can fulfill the higher quality requirements of water absorption and even water resistance. Low and medium viscosity levels are available.

Average specification*	TiCELL R/MV 1000	TiCELL R/HV 1600
Bulk Density	400-650 g/l	400-650 g/l
CMC content: dry basis %	Min. 98	Min. 98
Degree of Substitution	0,75±0,05	0,75±0,05
Moisture content: %	Max. 12	Max. 12
pH Value	5,5-8,5	5,5-8,5
Total Salt content	Max. 2	Max. 2
Viscosity (method: 20°C 2%, Hoeppler)	35-65 mPa.s low viscosity	800-1800 mPa.s medium viscosity
Color:	Whitish	Whitish
Appearance:	Granulate	Granulate

### PACKAGING:

20 or 25kg multiply paper bags on pallet