



SODIUM
CARBOXYMETHYL
CELLULOSE



“TiCELL”
THICKENER FOR PAINT
AND CONSTRUCTION
INDUSTRY



TiKemHungary
A GLOBAL COMPANY



SODIUM CARBOXYMETHYL-CELLULOSE

TiCell P (paint) types

GENERAL INFORMATION:

- 🌐 “**TiCell P**” is a **SCMC Technical Grade** specifically developed as an additive for water based dispersion paints, excellent thickener with good adhesion ability; it helps film formation and increases viscosity. Improves the hiding power of paints and reduces paint run.
- 🌐 The addition of a small quantity of this product (0,8-1,2%) is sufficient to produce the desired thixotropic effect. By itself in water, 3,5-4%wt permits the formation of homogeneous suspension.
- 🌐 Higher percentages of dosage (1,5-3%wt) of TiCell prevents settling of insoluble components and liquid separation.
- 🌐 Important information: its abilities best when **completely dissolved**.
- 🌐 TiCell CMC types have excellent compatibility with all the ingredients of paints and plasters and cost effective with a high value-price ratio.
- 🌐 ORIGIN: EU

APPLICATION GUIDE:

🌐 **TiCell P/90G and TiCell P/60G (granulated):**

Application for “**presolution**” system as we suggest **making a pre-gel**: dissolve the CMC in water, with continuous stirring to reach the complete homogenised solution. The shelf life of the prepared solution is 48 hours; after we suggest renewing it to prevent fungal infection.

Add to the mixer the pre-gel at start or at last phase of mixing as post-dosage.

Recommended dosage is 0,6-1,2 % wt/proposed pre-gel concentrate is 3,5-4%.

🌐 **TiCell P/90FS and TiCell P/60FS (fast soluble):**

Application for the “**direct addition**” technology:

TiCell CMC will hydrate when added to water. To obtain maximum hydration and optimal performance in the shortest time we suggest the following incorporation procedure:

1. Apply an energetic stirring to water in the mixing container.

Start mixing at low speed.

2. Add the CMC to water gradually, in order to avoid lump formation and dusting.

Due to the rapid mixing this lightweight powder can take off into the air so treat with caution!

3. Continue to stir increasing the speed gradually up to reach the requested level. (5 minutes)

4. Add other formula ingredients in the appropriate order.

Recommended dosage is 0,6-1,2 % wt depending on type and formulation.

🌐 **TiCell P/60FS (fast soluble) or TiCell P/60FP (fine powder)**

Application for “**Skim Coat**” production:

Ideal for mixing with gypsum to create an excellent fine plaster (glettmass/putty)

Suitable for application both in powder and in dispersed form of putty.

Recommended dosage is: 2-2,5%wt

Purified grade “TiCell R”:

For your request we can recommend high active content (~99%) CMC grade for dispersion decorative plaster and pasty plaster production as well. Types **TiCell R/MV 1000; TiCell R/HV 1600; TiCell R/HV 3000** can fulfill the higher quality requirements of water absorption and even water resistance. Three viscosity levels are available. These products are not chemically treated but environmental friendly natural products.

PRODUCT SPECIFICATION:

Average specification* Technical Grades	TiCell P/90G	TiCell P/90FS	TiCell P/60G	TiCell P/60FS
Bulk Density	400-650 g/l	250-450 g/l	400-650 g/l	250-450 g/l
CMC content: dry basis %	Min. 65	Min. 65	Min. 65	Min. 65
Degree of Substitution	0,6±0,05	0,6±0,05	0,6±0,05	0,6±0,05
Moisture content: %	Max. 8	Max. 8	Max. 8	Max. 8
pH Value	7-10	7-10	7-10	7-10
Viscosity: (method:20°C 2%, Hoeppler)	80-120mPa.s	80-120mPa.s	60-80mPa.s	60-80mPa.s
Color: Appearance:	Light cream Granulate	Light cream Light powder	Light cream Granulate	Light cream Light powder

Average specification* Purified Grades	TiCell R/MV 1000	TiCell R/HV 1600	TiCell R/HV 3000
Bulk Density	400-650 g/l	400-650 g/l	400-650 g/l
CMC content: dry basis %	Min. 98	Min. 98	Min. 98
Degree of Substitution	0,75±0,05	0,75±0,05	0,75±0,05
Moisture content: %	Max. 12	Max. 12	Max. 12
pH Value	5,5-8,5	5,5-8,5	5,5-8,5
Total Salt content	Max. 2	Max. 2	Max. 2
Viscosity: (method:20°C 2%, Hoeppler)	35-65 mPa.s	800-1800 mPa.s	1500-2500 mPa.s
Color: Appearance:	Light cream to yellowish Granulate	Light cream to yellowish Granulate	Light cream to yellowish Granulate

PACKAGING:

25kg multiply paper bags/ 1000kg palletized
FS types: 20kg multiply paper bags/ 900kg palletized

Contact information:

EXCLUSIVE SELLING RIGHTS:

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*Material safety data sheet should be read before application.
All information contained herein is believed to be accurate but is not warranted.
It doesn't represent any assurance of properties and fitness for use of the product.
Above mentioned specifications may be changed without any notice.