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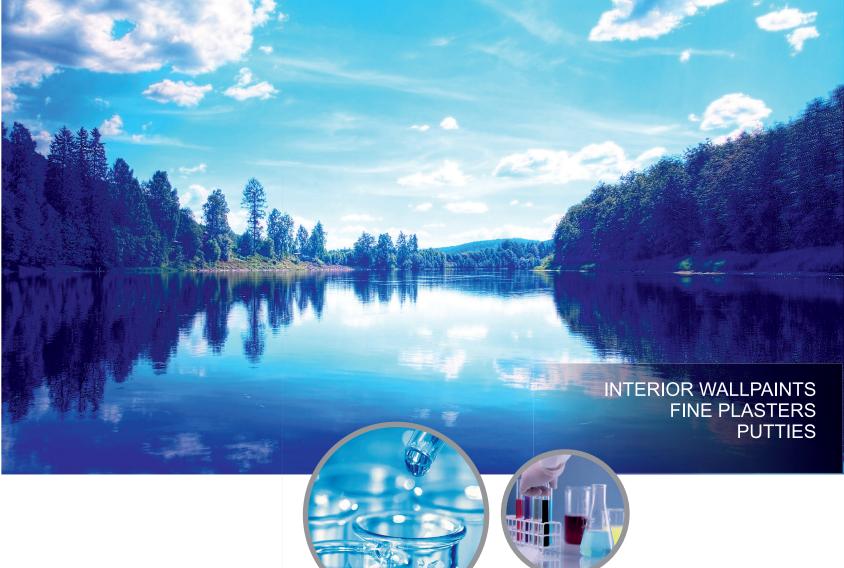
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SODIUM-CARBOXYMETHYLCELLULOSE **TICELL P SERIES THICKENERS**



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 thixothropy 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 TiČELL 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 cam 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: Appearance:	Whitish Granulate	Whitish Granulate

PACKAGING:

20 or 25kg multiply paper bags on pallet

*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.