

GranCel® 1228 ED

GranCel® 1228 ED is a chemically modified natural polysaccharide based on cellulose; easy dispersible fine powder has been created as additive for water-based **indoor** dispersion paints.

Benefits:

- ✓ excellent thickener with good adhesion ability
- ✓ efficient suspension of solids
- ✓ stabilization of emulsions
- ✓ compatible with most anionic and non-ionic surfactants
- ✓ it helps film formation: no remain particle in the solution
- ✓ control of viscosity in aqueous solutions
- ✓ almost transparent solution
- ✓ high polymerization: stable viscosity level for long terms stocking
- ✓ improves hiding power of paints
- ✓ reduces paint run

Application:

When added to water, **whose pH must be neutral** or slightly acid, it produces a dispersion with **no formation of lumps**, even under **very low mixing** conditions.

Full viscosity and other properties (stabilizer, suspension agent, water retention aid) are reached in few minutes **when it is activated with caustic soda** (suggested 20-25 gr NaOH 20% conc. per each kg of **GranCel® 1228 ED** used).





NaOH reacts immediately with the polymer, it doesn't remain in the mass and it doesn't affect the customer recipe/formulation; the pH of the original formulation won't be modified.

Thanks to its characteristics, it can be **added directly** in the disperser/mixer or it can be used to prepare stock solutions (3-5%).



It helps to avoid the problem of post-viscosity-increasing of the paint after the packaging at long storage time.

It helps to **reduce power consumption** and to increase capacity of production.








Application fields:

-  Indoor dispersion paint
-  Indoor "ready-to-use" putty (glett mass)
-  Liquid detergents: liquid soap, hand crème, softeners (when transparency is required)
-  Water-based dispersion indoor paints and fine plasters (putties)

Suggested dosage:

-  0,5-1,0 % (wt) as thickener (paints & putties)
-  0,3-1,5 % (wt) as rheological agent, viscosifier (liquid detergents)

General characteristics:

- | | |
|---|--|
|  Appearance: | crème color fine powder |
|  Bulk Density: | 600-800g/l |
|  Granulometry: | 5% max on 35 mesh screen
80% min through 80 mesh screen |
|  Degree of Substitution: | Min. 0,8 |
|  Moisture content: | max. 10% (as packed) |
|  pH (2% dispersion) | 5.0-7.0 |
|  Viscosity: | 150-350 mPas
(Brookfield Viscometer RVT 2% solution @ 20 °C; activated form) |

Shelf life: 12 months (Keep from direct sunlight and wet/vapor/steam (see MSDS))

Packaging: 25 kg paper sacks, 1000kg palletized

Origin: European Union

Exclusive Sales & Distribution by:

TiKEM Hungary Ltd.
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(In Europe distributed by TiKEM Group)

Note:

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