

COOL BARRIER GRIP 504 N



Product description

COOL BARRIER GRIP 504 N is a very flexible dispersible polymer powder based on vinyl acetate and ethylene with very good tensile adhesion strength particularly on organic surfaces combined with good crack-bridging properties and good workability.

Properties

COOL BARRIER GRIP 504 N is a copolymer powder of vinyl acetate and ethylene and is dispersible in water. Because of its relatively high ethylene content, this resin is soft and flexible. Its glass transition temperature (Tg) is below the freezing point of water. Compounds modified with COOL BARRIER GRIP 504 N exhibit improved adhesion, flexural strength, deformability, abrasion resistance and are easier to process. Leveling, thixotropy and water retention are essentially unaffected. The product is ideal for use in combination with other mortar additives intended to enhance specific properties.

COOL BARRIER GRIP 504 N contains a fine mineral filler as an antiblocking agent. It is produced without the addition of organic solvents, plasticizers and film-forming agents.

Application	Recommendation	Suitability
External thermal insulation composite systems	Adhesive mortars Embedding mortars/basecoats Top coats/Finishes	• • ◦
Waterproofing membranes	Flexible systems Rigid systems	• •
Concrete repair mortars	Concrete repair (PCC/SPCC) Patching mortars	• •
Renders/Plasters/stucco	Basic renders/plasters Finishing renders/plasters	◦ ◦
Skim Coats	Indoor Outdoor	• •
Walls	Patching compounds Joint compounds	• •

• highly recommended ◦ recommended

Special features

COOL BARRIER GRIP 504 N has no effect on rheological properties and is a general-purpose powder in the lower Tg range. It is suitable for formulating highly flexible compounds with very good adhesion to organic substrates and end products with low emissions.

Application

For typical application fields of COOL BARRIER GRIP 504 N, refer to the following application table. Please discuss additional applications with your Abolin customer representative.

Processing

For the production of ready-mixed dry mortars, such as adhesives and patching compounds, blend COOL BARRIER GRIP 504 N with the other dry ingredients in appropriate equipment. Temperatures should not be allowed to rise excessively during mixing because otherwise the dispersible polymer powder could agglomerate by virtue of its thermoplastic properties.

The mortar is prepared for use by adding the recommended amount of water and mixing mechanically or by hand. Since hand mixing generates little shear force, we recommend allowing the fresh mortar to slake for 5 minutes and then stirring it again. This is usually unnecessary where mechanical mixers are employed.

Storage

During storage, protect COOL BARRIER GRIP 504 N from contact with moisture. Above 30 °C, including in combination with pressure load, humidity or exposure to sunlight, may result in blocking. Carefully seal any open containers and store them in suitable conditions.

Packaging

10 Kg Plastic Pails
Big Bags or bulk on request.

Additional information

If COOL BARRIER GRIP 504 N is used in applications other than those mentioned, the choice, processing and use of COOL BARRIER GRIP 504 N is the sole responsibility of the purchaser.

We recommend storing COOL BARRIER GRIP 504 N in a warehouse that provides cool and dry conditions. Do not store COOL BARRIER GRIP 504 N for more than six months, starting from the point at which it was received. If the product is kept for longer than that, it can still be used, but users are advised, in this case, to check the properties required for the intended use.

Slight color variations of the dispersible polymer powder may occur without impairing the product's functionality.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. These are available on request from Abolin sales offices.

Product data		
Specification data	Inspection Method	Value
Solids content	DIN EN ISO 3251	min. 98
% Ash Content (1000 °C)	specific method	max.
12 %		
Bulk density	DIN EN ISO 60	400 - 550 kg/m ³
Particle size	DIN EN ISO 4610	max. 4 % over 400 µm
Typical general characteristics	Inspection Method	Value
Appearance	Visual	white to light beige powder
Minimum film forming temperature	DIN ISO 2115	0 °C
Figures below "Typical general characteristics" are intended as a guide and should not be used in preparing specifications.		

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.

The management system has been certified according to EN ISO 9001

For technical, quality, or product safety questions, please contact:

Abolin Co
18 Galaxia Srt,
12462, Athens Greece
www.abolinco.com