

## *RSP-H3605 (Construction Chemicals)*

### **Product Description**

H3605 is a hard redispersible polymer powder based on a copolymer of vinyl acetate and ethylene.

H3605 is a raw material for building and construction industry, such as ready-mixed dry mortars. It is used as an organic binder in the formulation of:

- Tile adhesives (C1/C2, ISO 13007)
  - Tile grouts (CG1/CG2, ISO 13007)
  - Renders (cement) / plasters (gypsum) ,(base coats, topcoats, e.g, skim coats)
  - Joint fillers and smoothing compounds (gypsum and polymer-based systems)
- (For any additional application, please contact our technology group.)

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### **Why H3605?**

H3605 a multi-purpose product with neutral rheology. Mortars modified with this product exhibit:

- Improved workability
- Improved adhesion and cohesion
- Improved deformability
- Enhanced abrasion resistance

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### **Application and properties**

H3605 shows extremely low emission levels of volatile organic compounds (VOC), allowing manufacturers to formulate finished products in accordance with stringent

eco-labelling requirements.

Performance of H3605 may vary depending on your formulation. Please contact our Application Technology Group to assist you.

## Characteristics

Polymer base:	Vinyl acetate-ethylene
Protective colloid:	Polyvinyl alcohol
Additives:	Mineral anti-block agents
Appearance:	Free-flowing, white powder
Minimum film forming temperature (MFFT):	Approx. +3°C

Specification	Adjusted Methods*	Value
Bulk Density	EN 543	400-700 g/l
Residual moisture	Specific method	max 1.0%
Ash content (950°C)	EN 1246	10.0±2.0%
pH value (10 % redispersion in water)	Specific method	6.5-9.5

\* Standard adjusted to Celanese test method. Further details regarding the test method can be made available on request.

## Guidelines for Storage, Handling and Powder Processing

Store H3605 redispersible polymer powder in a cool, dry place in original packaging at temperatures not exceeding 25 °C and process within six months after the date of delivery. When storing H3605 products avoid higher stacking of the goods to minimize pressure on the product and avoid storing in contact with moisture or heat, or in containments open for an extended period, as this may result in blocking of the powder. If the product is stored for longer than six months after the date of delivery, users are advised to evaluate properties required for the intended use.

H3605 redispersible polymer powders can be blended in all commercial mixers with other dry additives to produce finished products in powder form. Since H3605 redispersible

polymer powders exhibit thermoplastic behaviour, mixing times should be as short as possible, and significant temperature increases caused by strong shear forces should be avoided. All hydraulically and non-hydraulically curing dry mixtures with H3605 redispersible polymer powder can be easily mixed with water before application.

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## ***Packaging and Transport***

Standard packaging: 25 kg paper sacks with polyethylene liners. Other types of packaging, such as Big Bags or delivery in silo wagons, are available on request.

This product specification information is based on our present state of knowledge and to provide general notes on our products and application. It should therefore not be construed as guaranteeing specific properties of the products or their suitability for specific application. Recommendation is made to check suitability of our product by doing tests on your own.

If you need further information, please contact us or home: <http://www.yinduntech.com.cn>