culminal™ UP 1268 modified methylhydroxyethylcellulose

introducing culminal™ UP 1268 modified methylhydroxyethylcellulose (MHEC), an enhanced performing additive for premium quality cementitious tile adhesives (CTA)

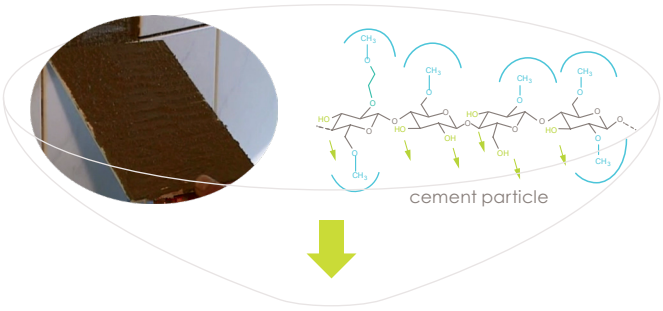
description

The trend in the construction industry is for larger tiles and more significant amounts of low carbon footprint cement, which requires formulations with longer open time, leading to greater adhesion to the wall. These functional attributes are among many in achieving superior performance for today's cementitious tile adhesives (CTA).

Ashland addresses these performance gaps with its latest innovation, culminal™ UP 1268 modified MHEC. Using concepts for culminal™ PLUS and culminal™ UP, Ashland integrated multiple advanced technologies to create an enhanced product through hybrid technology.

Culminal UP™ 1268 modified MHEC delivers the best of both technologies, specifically excellent wetting properties and high early and final adhesion strength. This modification can be used in regular and fast-set CTA.

specification



culminal™ UP 1268

plus concept

- improves adhesive transfer
- better fraction pattern
- additional certainty at real conditions
- ideal for large format tiles

UP concept

- improved setting time even at low temperatures
- improvement of early and final strength development
- reduction of cost in use by reducing/eliminating additional accelerators

key features and benefits

- low impact on cement hydration
  - early and final tensile strength
- optimized visual open time
  - good wetting performance
- workability
  - sag resistance
  - improved setting time even at low temperatures
- cost effective
  - reduction of cost in use by reducing/eliminating additional accelerators

key performance properties

primary requirement

low impact on cement hydration	optimized visual open time
early and final tensile strengths	good wetting performance

secondary properties
(should not be affected)

sag resistance	workability
strength development	setting time

summary

Combining culminal™ UP and culminal™ PLUS technology allows for achieving special performance with respect to excellent wetting properties and high early as well as final adhesion strength. Moreover, the reduced impact on setting time further supports that performance. Its adjusted modification enables Culminal™ UP 1268 modified MHEC to be used in regular as well as in fast set CTA.

Ashland's MHEC technology in combination with unique modification package enables customers to formulate CTA recipes in a universal way while making formulations safer with respect to its requirements.

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