



Experience the difference

ELOTEX® HD2040 NEW HYDROPHOBIC REDISPERSIBLE POLYMER POWDER
FOR ETICS / EIFS

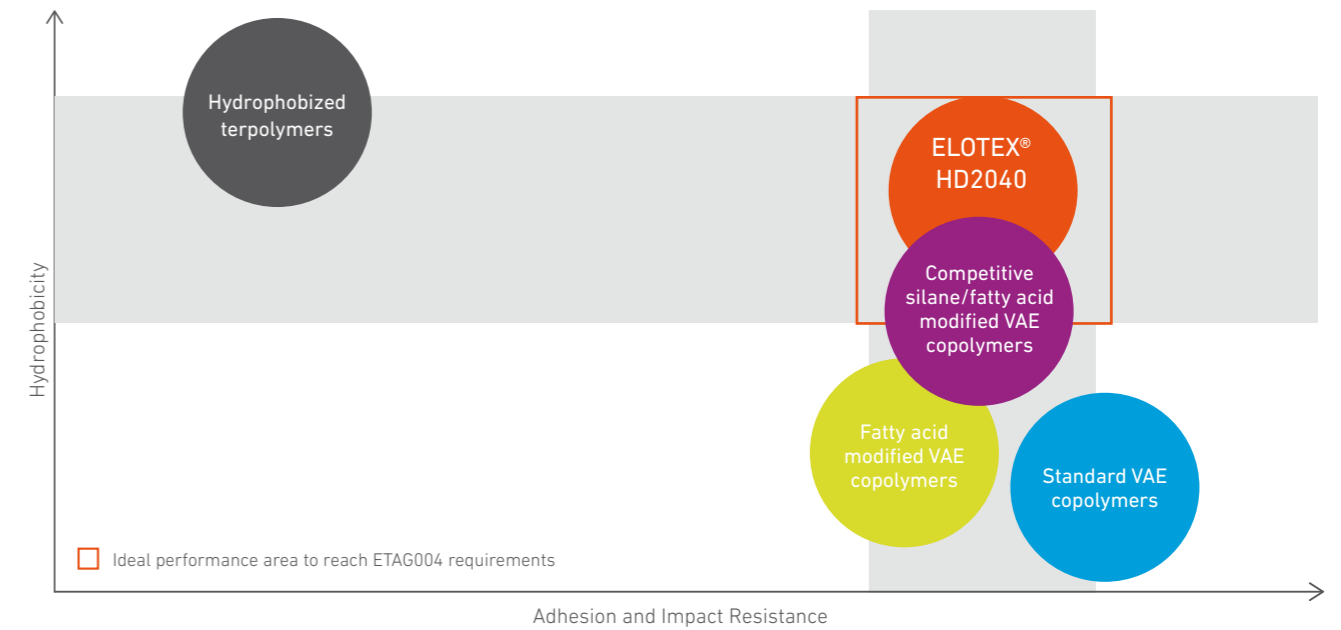
EXPERIENCE THE DIFFERENCE

ELOTEX® HD2040 our new hydrophobic redispersible polymer powder for ETICS / EIFS. Severe weather conditions as well as governmental and technical association standards such as ETAG004, put stronger demands on materials used in External Thermal Insulation Composite Systems (ETICS). Mortars used as an adhesive and/or base coat do not only need to ensure proper adhesion and impact resistance of the system but also to provide required water and humidity resistance (surface and bulk).

ELOTEX® HD2040 offers excellent hydrophobicity (reduced capillary water uptake), while improving the durability of the façades. Other technical requirements for dry-mix formulations, such as adhesion or impact resistance are not compromised on. The use of ELOTEX® HD2040 in ETICS mortars also brings a tremendous downstream benefit. It extends the lifetime of facades and takes away the need to repair or replace it.

Use of ELOTEX® HD2040 hydrophobic redispersible polymer powder offers:

- Superior bulk hydrophobicity and low water uptake
- Reduced capillary water absorption
- Excellent surface hydrophobicity
- Improved durability



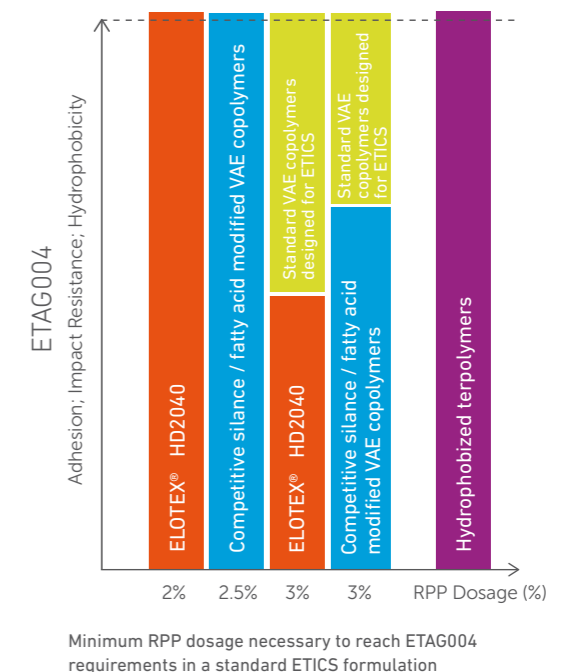
ETICS designed according to ETAG004 recommendations need to fulfil requirements in terms of adhesion, impact resistance and hydrophobicity (capillary water uptake). Copolymers of ethylene and vinyl acetate (VAE) with high ethylene content are the technology of choice to achieve adhesion and impact resistance requirements. Necessary hydrophobicity levels can be achieved by:

- hydrophobized terpolymers containing hydrophobic monomers. These impact negatively adhesion and impact resistance
- fatty acid modified VAE copolymers, which show deficiency in long term hydrophobicity and require high dosage to reach ETAG004 capillary water uptake requirements
- VAE copolymers modified with hybrid, silane / fatty acid technology, which are current state of the art
- ELOTEX® HD2040 which offers best in class balance between hydrophobicity, adhesion and impact resistance

By the use of ELOTEX® HD2040, ETAG004 requirements can be reached at polymer dosages as low as 2.0%, even in demanding light weight formulations. Furthermore, as additional benefit to our customers, use of ELOTEX® HD2040 allows:

- Formulation freedom, cost optimization and possibility to mix ELOTEX® HD2040 with standard VAE copolymers (such as ELOTEX® FX2320)
- Reaching ETAG004 requirements at mix ratio 50 % ELOTEX® HD2040 / 50 % ELOTEX® FX2320 (or other standard VAE copolymers), even in light weight formulations

- Competitive product would need to be mixed at ratio of minimum 70 % hydrophobic RPP / 30 % ELOTEX® FX2320 (or other standard VAE copolymers) to reach the same performance.





Redispersible Polymer Powder
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