



Experience the difference

ELOTEX[®] FX2380 new redispersible polymer powder for high quality External Thermal Insulation Composites Systems

Experience the difference of ELOTEX® FX2380 new redispersible polymer powder

AkzoNobel's Performance Additives Building & Construction is continuously investing in fundamental research both internally and in partnership with our extensive network of world renowned research institutes and Universities.

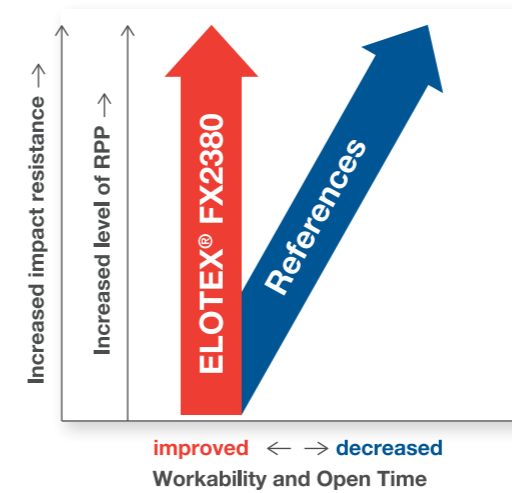
We aim to better understand underlying mechanisms and principles governing behavior and performance of dry mix mortar systems. With this knowledge in our laboratories we develop unique, innovative and sustainable additives which take the performance of dry mortar systems to new heights. One of the latest additions to our Performance Additives product portfolio, ELOTEX® FX2380 is a result of multiple years of fundamental research done at AkzoNobel laboratories and several of our partner Universities.

The newly developed ELOTEX® FX2380 is highly flexible redispersible polymer powder (RPP) based on copolymer of vinyl acetate and ethylene. It has been specifically developed for use in high quality External Thermal Insulation Composites System (ETICS) applications.

High quality ETICS systems are characterized by high polymer powder loading and have been developed in direct response to increasing impact damage (as a result of hail storms for example) seen with commonly used ETICS systems containing 2% or less of polymer powder. Although the impact resistance can be easily enhanced by increasing the polymer powder dosage, there are specific challenges relating to increased polymer powder dosage:

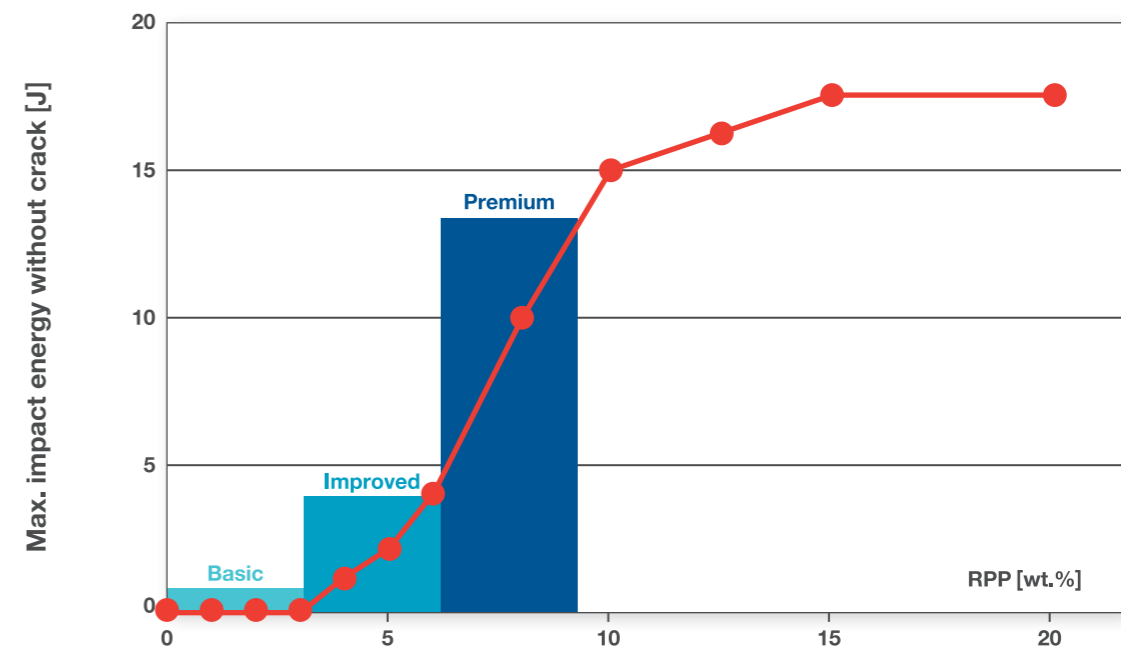
- Workability of the fresh mortar degrades with the increasing RPP dosage
- Machine application, troweling and mesh embedding are all negatively impacted by high RPP dosage
- Open time decreases with increasing RPP dosage

ELOTEX® FX2380 provides improved workability (machine application, troweling, mesh embedding) and Open Time properties for the formulation of high performing base coats for ETICS.



ETICS composite mortar formulations (including glass fiber mesh) with 4 to 6 % of ELOTEX® FX2380 secures:

- Façade surface from impact damages
- Excellent workability of the fresh mortar
- Good open time and troweling properties
- Possibility to machine apply the base coat



In our estimates, by reducing the impact damage and extending the lifetime of the facade (lowering the need for renovation), the total cost of ETICS system installation remains more or less unchanged in comparison with the installation and renovation cost of basic ETICS systems containing 2% or less of RPP. Decreased need for renovation, increased durability and lifetime also translate to sustainability benefits of lower material consumption. Adding to the sustainability advantages of ELOTEX® FX2380 are facts that our new product is:

- Formaldehyde free with extremely low VOC emissions
- Allows our customers to formulate according to EMICODE® EC1^{PLUS} requirements

Typical applications for ELOTEX® FX2380 include:

- ETICS adhesive and base coat render
- Standard tile adhesives
- Renders and plasters
- Repair mortars





www.akzonobel.com

AkzoNobel creates everyday essentials to make people's lives more liveable and inspiring. As a leading global paints and coatings company and a major producer of specialty chemicals, we supply essential ingredients, essential protection and essential color to industries and consumers worldwide. Backed by a pioneering heritage, our innovative products and sustainable technologies are designed to meet the growing demands of our fast-changing planet, while making life easier. Headquartered in Amsterdam, the Netherlands, we have approximately 46,000 people in around 80 countries, while our portfolio includes well-known brands such as Bermocoll, Elotex, Sikkens, International, Interpon and Eka. Consistently ranked as a leader in sustainability, we are dedicated to energizing cities and communities while creating a protected, colorful world where life is improved by what we do.

© 2017 Akzo Nobel N.V. All rights reserved.

Akzo Nobel Chemicals AG

Industriestrasse 17a, CH-6203 Sempach Station

T +41 41 469 69 69, contact.elotex@akzonobel.com

www.bermocoll-elotex.com