



ELOTEX[®] FX2380

Redispersible polymer powder for high quality
External Thermal Insulation Composites Systems



Experience the difference

Nouryon is continuously investing in fundamental research both internally and in partnership with our extensive network of world renowned research institutes and Universities.

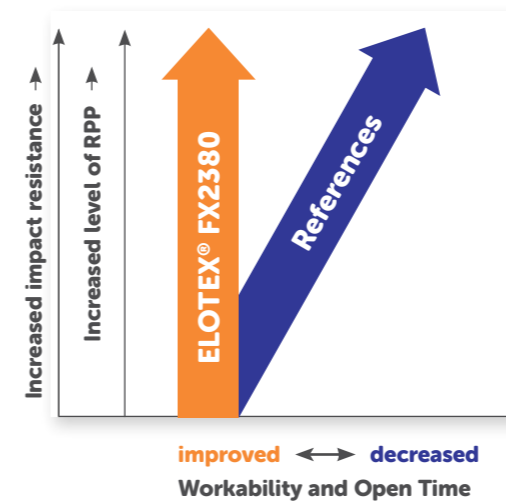
We aim to better understand underlying mechanisms and principles governing behavior and performance of dry mix mortar systems. With this knowledge in our laboratories we develop unique, innovative and sustainable additives which take the performance of dry mortar systems to new heights. One of the latest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

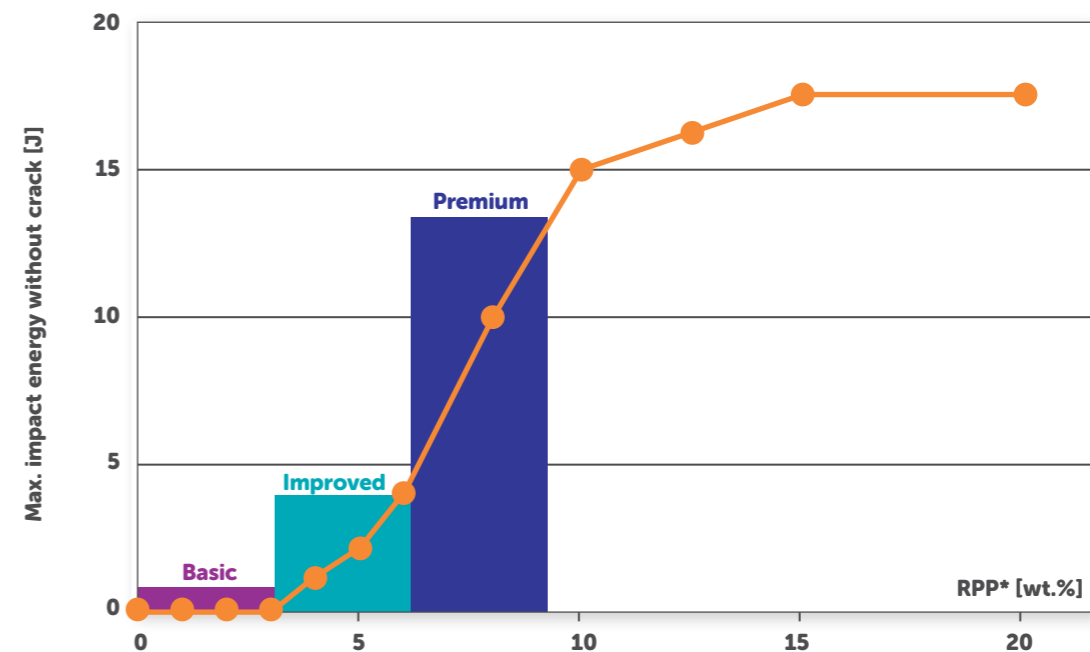
- Workability of the fresh mortar degrades with the increasing RPP dosage
- Machine application, troweling and mesh embedding are all negatively impacted by high RPP dosage
- Open time decreases with increasing RPP dosage

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 façade (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 ETIC 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

Main application for ELOTEX® FX2380:

- ETICS adhesive and base coat render

Further applications:

- Standard tile adhesives
- Renders and plasters
- Repair mortars

* RPP = redispersible polymer powder





Nouryon Chemicals AG

Industriestrasse 17a

CH-6203 Sempach Station

T +41 41 469 69 69

contact.elotex@nouryon.com

www.bermocoll-elotex.com

Nouryon

We are a global specialty chemicals leader. Markets worldwide rely on our essential chemistry in the manufacture of everyday products such as paper, plastics, building materials, food, pharmaceuticals, and personal care items. Building on our nearly 400-year history, the dedication of our 10,000 employees, and our shared commitment to business growth, strong financial performance, safety, sustainability, and innovation, we have established a world-class business and built strong partnerships with our customers. We operate in over 80 countries around the world and our portfolio of industry-leading brands includes Eka, Bermocoll, Elotex, Dissolvine, and Berol.

nouryon.com