

## **Whitford's new filter plate seal slashes production times by 96%, offers 7 other benefits!**

Filter press plates are used in a wide range of industries and applications from dewatering products in the paint and pharmaceutical industries to purifying filtrates in beverage production. The chief problem: Filter press plates normally take over 24 hours to produce because the sealant used to hold filter press cloths in place during filtration cures very slowly.

Now Whitford has developed a sealant that cures in just 10 minutes (and at low temperatures), so filters can be dispatched within the hour, slashing production times and saving the valuable space previously taken up by drying filter press plates.

The new sealant, called Eternitex® 64-010, is the result of a year's intensive R&D. It also provides a number of additional benefits for manufacturers of filter cloths, including:

- Quickly and easily applied: The coating is a one-pack product, which eliminates the time-consuming mixing of components before application. Eternitex 64-010 can be simply brushed on to give an effective seal around the entire edge of the filter frame.
- Eliminates wastage: Traditional sealants remain tacky during the curing process. Blocking occurs when cloths come into contact with each other, causing the sealant to come off one or more of the surfaces, rendering them useless. Eternitex 64-010 has nonslip properties from the moment it is applied, eliminating blocking during drying and storage.

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- Withstands aggressive filter environments: Some filtration applications take place in highly alkaline or acidic conditions, damaging the sealant and rendering the filter cloth useless. The Eternitex 64-010 formulation resists attack, ensuring seal edges remain intact and optimum filtration is retained.

Helen Brain, Whitford's Product and Process Development Chemist, said: "This extraordinary sealant performed exceptionally well during production trials. It is an environmentally-friendly, waterborne coating that can be used on a range of woven filters including polypropylene, polyester and polyamide fabrics".

Eternitex 64-010 offers even more benefits for filter press users:

- The nonslip nature of the sealant minimises damage to the filters during operation. Filter plates often press against each other during the filtration process, causing plates to stick together and become damaged when removed for cleaning. Eternitex 64-010 eliminates plate sticking, allowing the filter plates to be cleaned and re-used, extending the operational life of the filter.

- The toughness of Whitford's new sealant formulation also protects the filter press frame in harsh filtration conditions, such as extremes of temperature and pH, extending the life of the frames.

- During the filtration process, traditional sealants can soften and move due to the pressure at which the filtration system is operated. This movement, called migration, can reduce the efficiency of the filter plate when sealant covers the filter cloth. Test show that Eternitex 64-010 does not migrate at pressures up to 300 bar, preventing filtration inefficiencies.

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Eternitex 64-010 is now available from Whitford, manufacturers of the largest, most complete range of fluoropolymer coatings in the world. Whitford Worldwide has manufacturing facilities in seven countries, offices in an additional eight countries, a global network of 25 agents and sales in more than 100 countries worldwide.

For more information about Eternitex 64-010 please call Whitford on +44 (0)1928 571000, email [sales@whitfordww.co.uk](mailto:sales@whitfordww.co.uk), or visit the website at [www.whitfordww.com](http://www.whitfordww.com). *For more information on Alpha, go to [www.alpha-coatings.com](http://www.alpha-coatings.com)*