



Technical Data

THE USE OF MOISTURE RESISTANT SUBSTRATES HAS INCREASED DRAMATICALLY IN 2008 IN AREAS WHERE FRP IS TYPICALLY APPLIED AS A WALL FINISH.

Crane Composites has test data regarding how solvent-free and solvent-based adhesives work with standard drywall, but much less experience with new moisture resistant substrates. There is currently a testing program underway at Crane Composites to evaluate how adhesives will perform when applied to moisture resistant substrates. In such situations, the adhesive is still applied to the frp in a cross-hatch pattern and the panel positioned and rolled with a laminate roller to eliminate air pockets and ensure good contact between the materials being bonded. In addition, it remains important that adequate room for expansion be allowed at the panel joints and corners. In question, however, is how the particular moisture resistant drywall affects the ability of the adhesive to dry and how that property affects the potential success of the installation.

Franklin Adhesive, International has become exposed to an increasingly large number of moisture-resistant wall surfaces in the market, and the properties of these surfaces, often generically referred to as moisture-resistant drywall, vary tremendously. While some of these surfaces allow moisture to penetrate without affecting the integrity of the wall and allow the Franklin Titebond frp adhesives to dry and bond normally, others retard or totally prevent the passage of water or solvent, and can prevent any traditional frp adhesives from drying adhering correctly. We ask that Franklin International Technical Department Support be consulted prior to any installation over an unknown wall surface to ensure bonding will be successful.

Crane Composites prefers standard drywall be used as the substrate of choice when installing frp wall panels. Because of the number of significant features frp wall panels offer, such as, resistance to mold, mildew, and bacteria growth, high impact strength, high moisture resistance, chemical resistance and stain resistance, a moisture resistant substrate may not be needed.

However, should moisture-resistant drywall be preferred please contact either Franklin or another adhesive supplier to review the proposed substrate and obtain a recommendation on appropriate adhesive.

CRANE COMPOSITES WILL NOT BE RESPONSIBLE FOR FAILED INSTALLATIONS DUE TO LACK OF ADHESIVE BOND STRENGTH BETWEEN THE ADHESIVE AND THE SUBSTRATE.

Please do not hesitate to contact:

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