



Customer: Diamon Fusion International (DFI)
Attention: Todd Gentry
Reference: Compatibility testing on Diamon Fusion (DF)coated glass

Background

A customer of Fenzi North America requested to determine the compatibility of Diamon Fusion (DF) coated glass with Hotver 2000, a hot melt butyl sealant used in the product of insulating glass. With the co-operation of Todd Gentry at DFI, coated glass samples were brought into the Fenzi laboratory in Toronto for compatibility testing of Hotver 2000 according to the prEN1279/4 item 5.1 for glass-sealant-glass adhesion.

Further more Todd informed that the process of coating may also occur after the sealant is applied to the respective glass i.e. coat the whole insulating glass using the DFI process. Samples assembled according to prEN1279/4 item 5.1 was sent to DFI for its coating in order to evaluate the resulting mechanical properties of the glass-sealant-glass samples.

Summary of results:

On the compatibility of Hotver 2000 to the DF coated glass, the examined samples conform to the requisites of prEN1279/4 item 5.1.

Further evaluation on the affects of DF coating on a glass-sealant-glass sample showed no adverse reaction and the samples remained stable.

Conclusion

Diamon Fusion coated glass is compatible with Hotver 2000 and the subsequent coating of the glass using this process shows no adverse affects on the insulating glass unit and its future performance based on our evaluation.

Best Regards,

Paul Chackery

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