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### **UV-test of floating tiles**

With reference to mail dated 25 September 2008 we have carried out an examination of the 4 received floating tiles: 2 small and 2 big.

We have carried out an infrared spectroscopy, FTIR, of the floating tiles before UV-exposure and after 200 hours' UV-exposure. Exposure in QUV-apparatus with UVA. The UV-exposure is estimated to correspond to approx. 3000 hours' direct sunlight on test specimen.

We have measured the IR absorption at  $1720\text{ cm}^{-1}$  and at  $720\text{ cm}^{-1}$  in order to assess whether the files have started to degrade.

### **Results**

No difference is observed between the floating tiles before and after UV-exposure.

FTIR spectra of floating tiles before UV-exposure are shown in encl. 1-4.

FTIR spectra of floating tiles after UV-exposure are shown in encl. 5-8. None of the floating tiles have been degraded.

### **Conclusion**

None of the floating tiles have begun degradation. Active stabilizers can still be observed.

If you have any questions regarding the examination, please do not hesitate to contact the Centre.

Yours sincerely  
Centre for Plastics Technology

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The testing has been performed on the General Terms and Conditions regarding Commissioned Work accepted by the Danish Technological Institute