

# LONG TERM EVALUATION OF TRANSLUCENT COATINGS ON ACCOYA



LOW MAINTENANCE TRANSLUCENT FINISHES ARE PARTICULARLY DESIRABLE, YET DIFFICULT TO ACHIEVE ON TIMBER CLADDING AND JOINERY. THIS STUDY DEMONSTRATES ACCOYA COATED WITH A TEKNOS TRANSLUCENT SYSTEM PROVIDES A LOW MAINTENANCE OPTION. THIS SUBSTANTIALLY EXCEEDS THE PERFORMANCE OF TRADITIONAL TIMBER TYPES.

Long term evaluations of translucent coatings on Accoya, Siberian larch and western red cedar have been set up by Teknos in the UK and evaluated by TRADA after 5 years exposure, report #TCS/F14153.

The TRADA report notes that of the three substrates, the boards fabricated from Accoya have exhibited the best performance and have show excellent stability over the 5 years of the trials which has served to significantly reduce splitting at board ends, prevented distortion and fissuring around fixings.

The TRADA report concludes that coated boards made from western red cedar and Siberian larch are in need of immediate maintenance, whereas those of Accoya are yet to show any significant unfavourable effects of weathering after 5 years and suggests this is likely to be an important factor in the overall reduction of maintenance frequency and costs. This finding reflects experience of Teknos translucent systems on Accoya cladding in the UK and India over similar periods.

**Siberian larch** VT 10B board showing end-grain fissures and discolouration at ends of boards due to water penetration after 5 years.

**Western red cedar** VT 10B board showing end-grain disfigurement from water ingress after 5 years of exposure. Note also coating detachment along shoulder detail.

**Accoya** VT 10B board showing no end fissuring or discolouration from water ingress after 5 years of exposure.

VT 10B boards profile fabricated from **Accoya** showing no sign of aris failure after 5 years of natural weathering

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