

## Improvement of ETFE adhesive properties for lamination and inclusion in composite structures

### 🔍 Customer Challenge

Inadequate adhesion produced by current surface preparation technologies e.g. wet-chemical primers and corona plasma

### 💡 Solution

Grafting of a silane nanolayer onto the ETFE film surface using Molecular Grip technology

Current capacity → roll-to-roll up to 1.6m width

### 📈 Results

- ✓ Exceeded target peel value by >15%
- ✓ Unaltered peel strength after accelerated ageing tests
- ✓ Open-time = minimum 1 year → optimize supply chain and cost savings