



DIATEX

DIATEX 1500 EV6

NEW GENERATION OF
DRY PEEL PLY FOR
STRUCTURAL BONDING



EN 9100
EN 9120
ISO9001

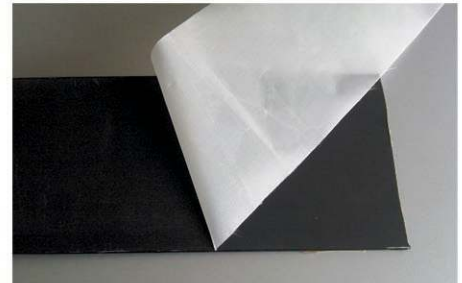
The guarantee of a perfect bonding:

DIATEX 1500 EV6 is a new generation of dry peel ply developed for structural bonding of composite materials. DIATEX 1500 EV6 undergoes a special treatment providing remarkable physical and chemical properties.

On top of remarkable characteristics of finishing before bonding obtained with its use, DIATEX 1500 EV6's benefits are numerous:

Dry peel ply DIATEX 1500 EV6 compare to wet peel ply

- Suitable with all adhesive or adhesive film
- Suitable with all resins systems
- No storage constraints
- Longer shelf life
- Calibrated porosity : can be used in vacuum infusion process
- Aeronautic approvals
- GIC with cohesive failure ($>1000\text{j/m}^2$)



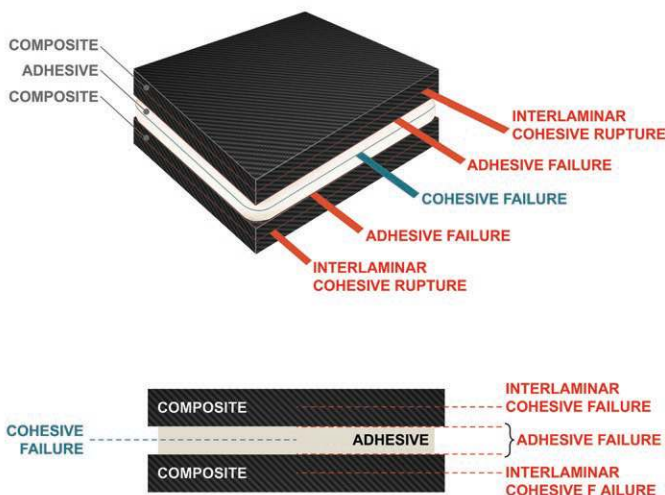
The development of this peel ply allowed a gain of 25% compared with values of wet peel plies!

The aim is to obtain a cohesive failure in the composite (inter laminar) which shows a better behavior of the interface compared with the composite itself.

Analysis of the rupture specimens shows if there is an adhesive or a cohesive failure. An adhesive failure is not satisfactory because the test calls the area finishing into question, meaning the peel ply. A cohesive failure is acceptable provided the required values are achieved.



Cohesive failure specimen



For example, extractable by weight of DIATEX 1500 EV6 is less than 0,05% (ASTMD2257): current products on the market have a medium rate of 1%, which means 200 times more polluted.

Every DIATEX 1500 EV6 batch is subjected to inter laminar fracture toughness (G1C) and slotted single lap shear strength tests enabling to validate its required properties for structural bonding application.

Manufactured under our EN9100 certificate, DIATEX 1500 EV6 has several aeronautic and aerospace approvals.