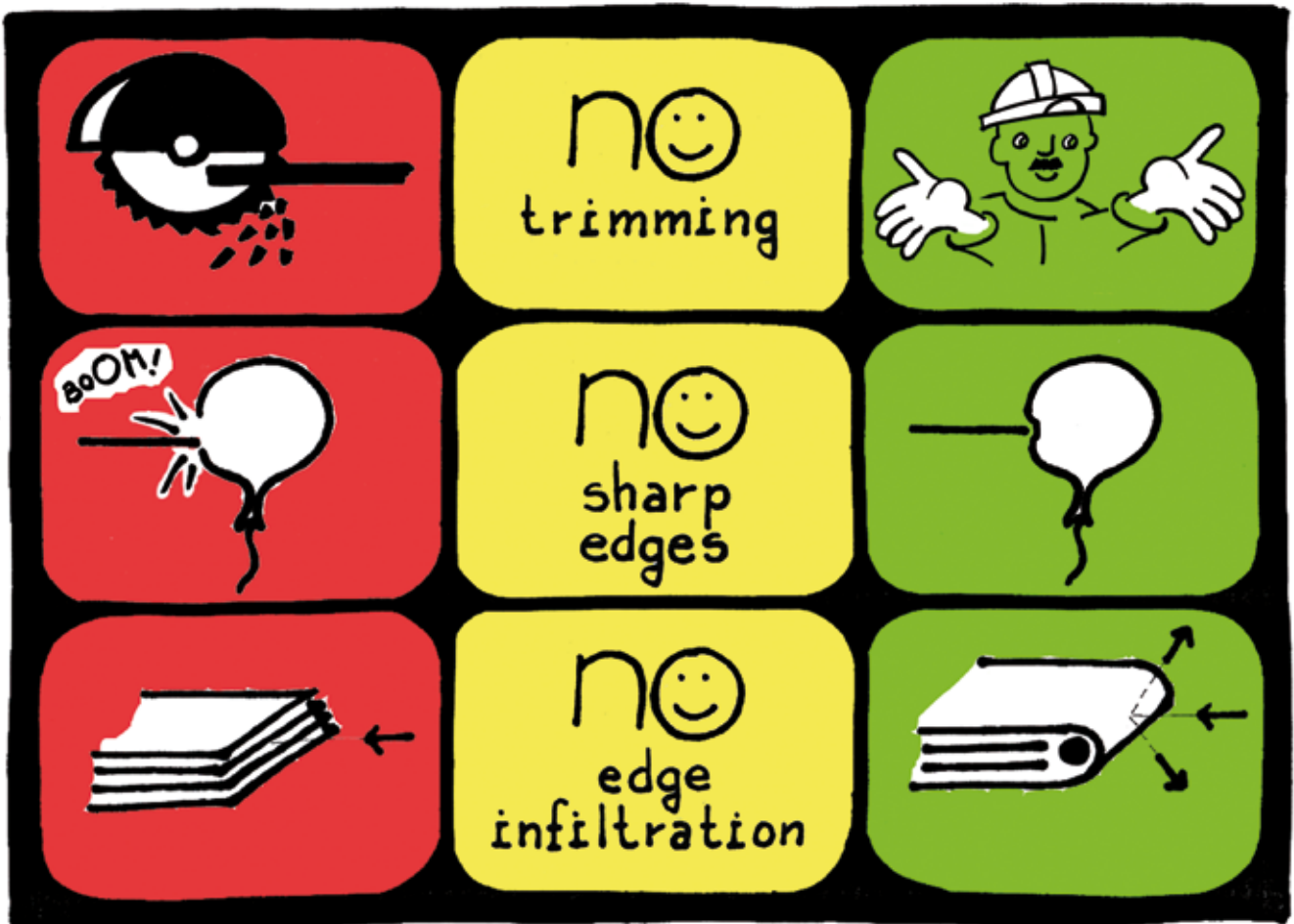


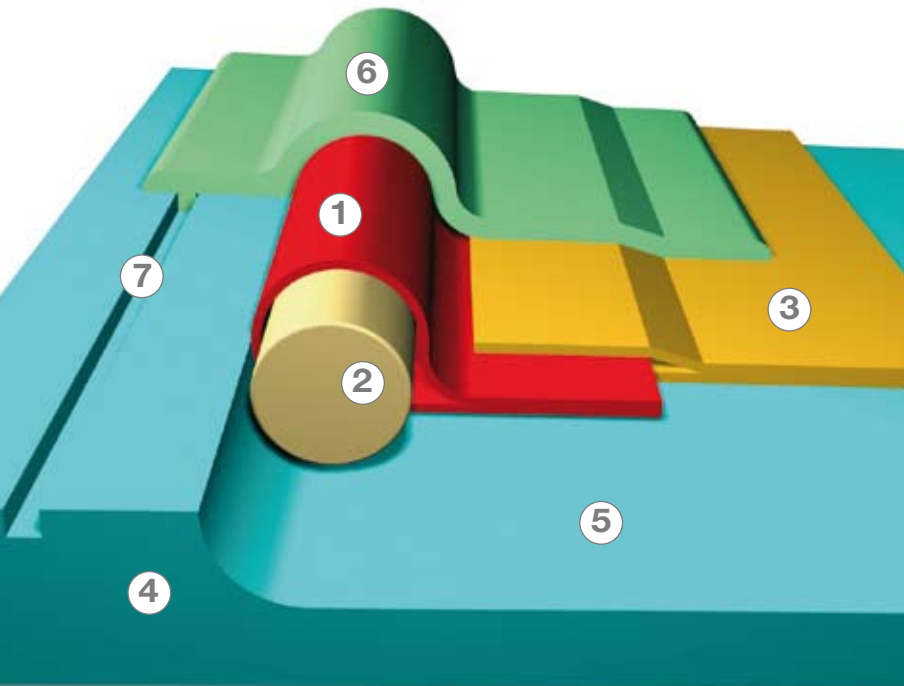
Kordo™

NET SHAPE COMPONENTS WITH ROUND EDGE
DIRECTLY OFF THE MOLD



PATENT PENDING

DELTAtech™



The fabrication of composite parts is often associated with edge trimming and finishing, after the cure process. This implies additional work which is normally done in a separate room, equipped with an efficient dust filtration system.

The trimming process also leaves exposed cut fibers on the edge, where infiltration by environmental agents may occur, with detrimental effects on laminate properties.

Another critical factor with trimmed composite components can be the presence of sharp edges. These might cause personal injury and, on certain specific applications, they are prohibited by law.

The **Kordo™** system, developed by **Delta-Tech**, offers a practical solution to all the three forementioned inconveniences.

Kordo™ is made of a stripe of pliable prepreg (1), wrapped around a braid (2) in such a way to be easily placed around the part contour, with the round braid shape pointing outwards and the folded prepreg strip pointing inwards to be incorporated within the laminate plies (3).

A little dam (4) should be built in the mold (5) in order to define the exact part contour.

A well shaped round edge, according to automotive safety regulations, can be obtained by using a rubber caul-pad (6) around the edge. The caul-pad should be kept in place by creating a positioning groove (7) in the tool, at about 10 mm distance from the part edge. The caul-pad can be easily made with curable rubber and stiffened with a ply of carbon or glass prepreg fabric within the section.

The edge obtained with **Kordo™** will not show cut fibers on the surface. These will instead fold back towards the laminate, creating a sealed edge which is resistant respect to infiltration from the environment.

