

## Adhesives for aircraft industry

### Letoxit LH 21

A two-component adhesive with good strength and toughness and increased thixotropy, epoxy-based, curing at normal or elevated temperature. It is suitable for adhesive bonding of wooden materials including thin veneer, foam, laminate and ABS. The increased thixotropy prevents soaking of the adhesive into absorbent material (such as infiltration of the adhesive, e.g. during gluing of veneer), which reduces consumption of the adhesive and guarantees the quality of the glued bond; it prevents the adhesive from flowing-down from vertical and inclined surfaces at the same time.

### Letoxit LH 22

A two-component adhesive with a good strength and toughness, epoxy-based, curing under normal or elevated temperature. It is suitable for adhesive bonding of wooden materials, foam and laminate.

### Letoxit KFL 120

A structural film adhesive for high-strength bonds loaded under temperature ranging from  $-75^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$ . It serves to adhesive bond for metallic as well as many non-metallic materials; especially it fits for production of sandwich parts. The adhesive is one-component, epoxy-based, curing at temperature  $120^{\circ}\text{C}$ . It is supplied in the form of film 0,3 mm thick and 250 mm wide, in rolls.

Special type of KFL 120, called KFL 120A, is specially modified and causes minimum loss of electromagnetic waves.

### Letoxit VFL 120

A foam film adhesive used in particular combined with film structural adhesive, mainly for adhesive bonding with an irregular or big gap, for simultaneous setting and gluing of free ends in an assembly, for filling and sealing of free space, etc. During curing, the foam film adhesive increases its volume by 85 up to 150%. The adhesive is one-component, epoxy-based, and cures at temperature of  $120^{\circ}\text{C}$ . It is supplied in the form of film 1,5 mm thick and 200 mm wide, in rolls.

### Letoxit PFL 120

Primer applied to the part immediately after its surface treatment in order to protect it and to extend the interval before bonding. Also, it improves adhesion between the part and the adhesive itself. It is applied under film adhesive KFL 120 and VFL 120. The PFL 120 primer is a liquid solution of epoxy resins in solvents.

### Letoxit PL 20

Two-component pastelike epoxy-based adhesive cured at room or elevated temperature. The adhesive is designed for high-strength bonds loaded within temperature range from  $-75$  to  $+80^{\circ}\text{C}$ . It ensures high shear and peel strengths as well as high toughness. The adhesive is all-purpose; in particular it fits for metal bonding. It contains a corrosion inhibitor and spacer filler defining the optimum layer of the adhesive to achieve the maximum bond strength.



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