

COMORCAP LPC

PHENOL FREE PAINT REMOVER
USABLE HOT BY DIPPING

Approvals: AIRBUS FRANCE, FRENCH AIR FORCE (STPA)

Liquid paint remover in aqueous medium, usable hot by dipping (140 to 185° F).

COMORCAP LPC is suitable for the removal of multiple layers, epoxy or polyurethane, or paints with thick primers.

This product contains neither phenol, nor chlorinated solvents and therefore is safe for

users. It does not attack ferrous metals, stainless steels nor aluminium-zinc alloys.

Does not embrittle high strength steel.

USES

Removal by dipping of glycerophthalic, alkydurethane, polyurethane, epoxy, etc... paints.

DIRECTIONS FOR USE

Provide the tank with a tight lid; the parts to be treated may be placed in baskets or on gratings. A protective layer is used to reduce evaporation (**ADDICAP 2**).

The application temperature ranges from 60 to 85° C (140 to 185° F), according to the nature of the paints to be removed and their thickness (maximum temperature 90° C / 194° F).

Provide a conical bottom with draining at the low point to collect paint waste. After draining of waste, readjust the level of the bath with new product.

After separation or dissolution of the coats of paint, rinse with pressure jets or better using solvents **DIESTONE**.

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PROPERTIES

. Appearance	clear liquid with two layers
. Boiling point.....	160° C (320° F)
. Chlorine content	nil
. Average density at 20°C (68°F).....	1.0
. Flash point.....	120°C

BATH STANDING

It is advised to initially fill the tank with complete containers of COMORCAP LPC which contains both the active layer for the removal and the protective coating with the initial proportion of 13 %.

The protective layer is to be checked regularly: the active layer must always be covered with at least 10 to 20 cm (if necessary top up with **ADDICAP 2**).

It is important to drain regularly and completely the sludges in bottom of the tank (a conical shaped bottom gives the best results). Once the sludges are removed, bring the bath back to the initial level by adding new COMORCAP LPC or **COMORCAP LP2** if you do not wish to reintroduce anti-evaporation layer again.

Then check the alkalinity by means of one of the following methods:

- 1) By means of a pH meter. Take exactly 5 ml from the layer of product, filtered if possible, and put them in a beaker with approximately 100 ml of distilled water.

Titrate HCL N until pH 6-6,5.

Let VI be the volume of HCL N used (ml) :

$$C = \frac{8.93 \times VI}{100}$$

- 2) By means of a coloured indicator, bromothymol blue. Take exactly 5 ml of the layer of product, filtered if possible, and put them in a beaker with approximately 100 ml of distilled water.

Add precisely 20 ml of HCL N. Mix then leave at rest a few minutes. Titrate afterwards with NaOH N.

Let V2 be the volume of NaOH N used (ml):

$$C = \frac{8.93 \times (20 - V2)}{100}$$

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Results:

COMORCAP LPC is in correct operating condition for a value of C ranging between 0.50 and 1.0.

Below 0.50, the product must be readjusted by adding COMORCAP LPC at a rate of 10 litres for 100 litres of bath per fraction of C equivalent to 0.1.

Example: for a bath of 100 litres measured to $C = 0.4$, you will need approximately 10 litres of COMORCAP LPC to reach $C = 0.5$, 20 litres of COMORCAP LPC to reach $C = 0.6$, etc...

PRECAUTIONS FOR USE AND STORAGE

Caution! Never add water in the product, which would lower performance and cause a rapid degradation.

Operate in ventilated buildings. Wear safety gloves, eyes protectors and protective clothing during the operations of handling, tank recharging and dipping of parts in the bath.

Please read the safety data sheet for further information.

This technical data sheet replaces and cancels the previous one.

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