

## **ARL 021 - Operating guidelines for deresination**

The resin contained in softwood such as pine or Swiss stone pine may lead to a blotchy stone finish or to delayed drying, to spreading or adhesion defects of the paint in the course of surface treatment. In order to avoid this, the resin must be removed.

For the deresination of wood with a high content of resin, a number of methods are known. Hereinafter, we shall describe two techniques leading to good results:

### **Deresination of wood via a solvent mixture**

#### **Deresination solution (solvent):**

As a deresination solution, Nitro-Verdünner 8017 (nitro thinner) can be used.

#### **Utilisation:**

Carefully grind wood in the direction of the grain with grain size 120. Remove swarf.

Apply and spread Nitro-Verdünner 8017 (nitro thinner) generously with a brush or a sufficiently soaked cloth on the surface to be deresinified. After approx. 1 to 2 minutes, thoroughly remove the remaining liquid with a cloth.

Drying: approx. 3 hours at room temperature

Slight intermediate sanding with grain 120 - 150.

#### **Tips:**

- Make sure the room is well ventilated!
- After deresination, grinding must be done carefully, as the penetration of the deresination is only approx. 0.5 mm.
- Warmth and sun radiation on the wood may lead to residual diffusion of the resin from deeper layers. Therefore, deresinified surfaces must be coated within 1 to 2 days.
- Deresination solution already used may not be used again.

**Please refer to the safety-related information in the safety data sheet Nitro-Verdünner 8017 (nitro thinner)!**

## Deresination of wood via a soap solution

### Deresination solution (soapflakes):

Dissolve 20 g conventional soapflakes (available in drugstores and chemicals specialised trade) in 1 litre of warm water. By **adding approx. 20 % acetone** to the cooled soap solution, the dissolving power for the resin is enhanced and the processability of the soap solution prolonged.

The acetone-free soap solution thickens after approx. 3 hours. It can be returned to a processable condition by adding a little hot water.

### Utilisation:

Carefully grind wood in the direction of the grain with grain size 120. Remove swarf. Generously apply deresination solution onto the wood. The entire surface must be treated.

The wet surface must be brushed with a fibre brush. This is accompanied by noticeable frothing.

Then wash surface thoroughly with warm water. Alkaline (soapy) deresination residues are not to be left on the surface, as they may affect drying and/or crosslinking. Moreover deresination residues may cause an irregular stain finish absorption and thus specking.

After drying over night, subsequently grind the surfaces with coarse sandpaper, grain 120 - 150 without pressure.

### Tips:

- Make sure the room is well ventilated! (In case of utilisation with acetone)
- After deresination, grinding must be done carefully, as the penetration of the deresination is only approx. 0.5 mm.
- Warmth and sun radiation on the wood may lead to residual diffusion of the resin from deeper layers. Therefore, deresinified surfaces must be coated within 1 to 2 days.

### Tips for safe utilisation:

**During work, wear closed work clothing, protective gloves and protective goggles with side protection! In case of eye contact, rinse with water immediately and consult a doctor! Take off soiled, soaked clothing immediately! In case of contact with the skin, immediately rinse with a lot of water!**