

## PREGAN® NT-PASTE

### Alkaline cleaning paste made of renewable raw materials

PREGAN NT-PASTE is used to clean and degrease screen meshes and metal surfaces in the engraving plant. In combination with solvent based activators as e.g. PREGAN COMBI-CLEAN or PREGAN UNI-GEL it is used for the removal of ink or emulsion residue after decoating. In addition to the effect of alkaline solutions which reduce natural fats, PREGAN NT-PASTE also emulsifies synthetic fats, mineral oils and other contamination. In one broad effect, all practical aspects of cleaning and degreasing are covered. PREGAN NT-PASTE can also be used as a roughening agent for aluminium frames. All ingredients (except alkaline components) are made of renewable raw materials and are therefore biodegradable.

### APPLICATION

Stir the PREGAN NT-PASTE prior to use.

As a cleaning and degreasing agent: Evenly apply PREGAN NT-PASTE using a brush onto both sides of the screen. After a reaction time of approx. 5 min. brush the screen thoroughly until all residue has been dissolved or emulsified. Contaminants can then be removed by rinsing well with water. As soon as the water runs off without foam, washing is completed. The screen mesh needs no further treatment and is ready to be coated after drying.

For mesh post treatment: Depending on the type and age of the residue, different methods of application and product combinations can be advantageous. In the following, guide values are given.

For the removal of so-called ghost images or mesh colourations caused by photoemulsion components preferably use PREGAN NT-PASTE without any activator. Allow to react for 5 - 10 min.

In case of colourations on coarse meshes (coarser than approx. 77 - 55 (T) mesh) caused by e.g. textile or plastisol inks, it is recommended to use a mixture of PREGAN NT-PASTE and PREGAN COMBI-CLEAN in a ratio of approx. 2:1 (two parts of PREGAN NT-PASTE and one part of PREGAN COMBI-CLEAN). This mixture can be produced on the screen itself or by simply mixing it. Allow to react for approx. 5 - 10 min. A longer reaction time is necessary for very stubborn contamination. Do not exceed 20 min. Optimum distribution and moistening are only possible when using dry screens, do not allow water to get into the container where both products are mixed.

For the removal of ghost images caused by water or solvent based inks, first apply PREGAN COMBI-CLEAN. After a reaction time of 5 - 10 min. apply PREGAN NT-PASTE using a brush and allow to react for 5 - 10 min.

After the respective reaction time, carefully spray out both products with water using a hand shower. Then rinse with a high pressure water washer.

**Notice:** When applying PREGAN NT-PASTE, especially in combination with solvent based cleaners or activators, the sensitivity of polyester screen meshes increases with rising ambient temperatures, longer reaction times, finer threads (very fine mesh) and previous heavy use/damage. Contamination as ghost images can only be removed by a deep-cleaning action. Therefore possible tearing of the mesh cannot be ruled out. On the other hand, this method is often the only possibility to reclaim the mesh. It is recommended to test the suitability of PREGAN NT-PASTE/solvent based cleaner/activator for specific applications beforehand, as we cannot assume any responsibility for torn mesh.

As a roughening agent for aluminium frames: Before stretching the screen mesh, apply PREGAN-NT-PASTE thoroughly on the bonding area of the aluminium frame. Allow to react for about 3 min., then rinse well with water.

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**COLOUR**

White to cream-coloured

**pH-VALUE**

Approx. 13 - 14

**HEALTH HAZARDS  
ENVIRONMENTAL  
PROTECTION**

PREGAN NT-PASTE causes severe burns on bare skin. When working with PREGAN NT-PASTE it is recommended to wear suitable safety gloves (e.g. made of rubber) as well as safety goggles / mask. Immediately take off contaminated and soaked clothing. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

PREGAN NT-PASTE is free from chlorine and phosphates. Beside alkali it only contains ingredients which are made of renewable raw materials and which are biodegradable. PREGAN NT-PASTE is strongly alkaline. While small quantities neutralize themselves by reaction with other waste water particles (especially when collecting in waste water basins), commercial quantities have to be neutralized in the waste water, e.g. with acetic, formic or citric acid, (pH-value 9 should not be exceeded). When emptying waste water into drains measure the pH-value and observe local limit values.

Please follow further information given in the material safety data sheet.

**STORAGE**

1 year (at 20 - 25°C and tightly closed original container)

Protect against freezing. If PREGAN NT-PASTE freezes, it can be applied again after thawing and having it stirred well.

After a longer period of storage, liquid may separate on the surface. Short stirring homogenizes the consistency.