

PREGAN[®] UNI-GEL

Water emulsifiable cleaning gel based on biodegradable solvents

PREGAN UNI-GEL is a ready-to-use, water emulsifiable, solvent based screen cleaning gel. It is used for the removal of ink residue before and after decoating. It is especially suitable when longer reaction times are required for very stubborn contamination. PREGAN UNI-GEL is free from aliphatic and aromatic hydrocarbons. Entrainment by solvents can be eliminated in adapted biological sewage plants.

PROPERTIES

PREGAN UNI-GEL contains a mild in odour, highly active, water emulsifiable solvent mixture which evaporates very slowly. All fresh and dried inks used in screen printing are dissolved or emulsified, even two-component inks are softened and can often be removed mechanically (using a brush or high pressure water washer).

The pasty, thixotropic consistency also allows application of PREGAN UNI-GEL onto screens in a vertical position and to leave them in this position for a longer time (approx. 12 hours) without any loss of strength. PREGAN UNI-GEL is not corrosive and can be used on all screen meshes.

As PREGAN UNI-GEL also attacks screen adhesives, do not apply onto the mesh bonding areas.

For the removal of ghost images PREGAN UNI-GEL can be used together with alkaline pastes (e.g. PREGAN-NT-PASTE)

APPLICATION

For the removal of ink residue apply PREGAN UNI-GEL onto the screen using a brush or squeegee. Allow to react depending on the type of printing ink. Then rinse thoroughly with water.

Should any ink or photoemulsion residue remain on the screen after decoating, brush the screen mesh soaked in PREGAN UNI-GEL every few minutes until all residue has been dissolved or emulsified. For very stubborn contamination allow PREGAN UNI-GEL to react for several hours without the residue drying-in again.

So called ghost images which are not caused by mesh deformation can be removed by brushing with a mixture of PREGAN UNI-GEL / PREGAN (-NT-) PASTE. The mixture of alkaline paste and PREGAN UNI-GEL can be produced on the screen itself. Allow to react for a few minutes (15 up to max. 30 min.), then carefully rinse with water and spray out the dissolved and softened residue with a high pressure water washer. Optimum distribution and moistening are only possible when using dry screens, do not apply on wet screens. Further information is given in the technical data sheets of PREGAN (-NT-) PASTE.

A mixture of PREGAN UNI-GEL / PREGAN (-NT-) PASTE can also be prepared before use (mixing ratio approx. 1:1). Apply immediately after preparation as these mixtures only remain stable for a certain period of time.

Notice: When applying PREGAN UNI-GEL, especially in combination with alkaline pastes as e.g. PREGAN PASTE or PREGAN-NT-PASTE, the sensitivity of polyester screen meshes increases with rising ambient temperatures, longer reaction times, finer threads 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 alkaline pastes / PREGAN UNI-GEL for specific applications beforehand, as we cannot assume any responsibility for torn mesh.

COLOUR	Colourless
CONSISTENCY	Pasty – thixotropic
FLASH POINT	Approx. + 60°C
HEALTH HAZARDS/ ENVIRONMENTAL PROTECTION	Please follow further information given in the material safety data sheet.
STORAGE	3 years (at 20 - 25°C)