

PREGASOL[®] EP 3 (1:100)

Screen decoating powder

PREGASOL EP 3 (1:100) is used for the quick and safe decoating of screens. It is suitable for all copying materials based on polyvinyl alcohol (not for indirect films) and can be produced as required by dissolving an adequate quantity of powder in water. PREGASOL EP 3 (1:100) solutions are odourless, free from chlorine, do not damage the mesh and are non-corrosive.

APPLICATION

PREGASOL EP 3 (1:100) is used as a 1 - 2 % aqueous solution, i.e. 100 g are dissolved in 5 - 10 lt. of water. The higher concentration is particularly required when using water resistant photoemulsions.

In areas with highly calciferous tap water, the PREGASOL EP 3 (1:100) solution might be slightly milky. This is of no importance for manual decoating. If used in an automatic decoating unit, the turbidity can be avoided by adding approx. 0.5 % of sulphuric or nitric acid (no hydrochloric acid!). In automatic decoating units a lot of foam may occur due to dissolved photoemulsion particles. This can be avoided by adding 0,05 - 0,3% of KIWOMIX ZL 1063.

For decoating, apply the PREGASOL EP 3 (1:100) solution with a brush or sponge onto both sides of the screen which has carefully been cleaned of all ink residue and distribute well. Gently rub off the screen with a brush and after a reaction time of approx. 2 min. thoroughly rinse with a strong water spray (high pressure water washer).

If no high pressure water washer is available, especially for photoemulsions which are difficult to decoat, ensure that the decoating agent remains on the screen until the photoemulsion can completely be brushed out of the mesh. When using photoemulsions which are resistant to aqueous inks, a high pressure water washer is indispensable.

Decoating in an immersion bath: Before putting the screen into the PREGASOL EP 3 (1:100) bath, thoroughly rinse the screen which has completely been cleaned of all ink residue with water to remove any screenfillers and to avoid an unnecessary loss of efficiency of the bath.

The reaction time depends on the type of photoemulsion used as well as the concentration of the PREGASOL EP 3 (1:100) bath and usually varies between 30 sec. and a few minutes. Carefully remove the screen from the bath to ensure that emulsion particles do not contaminate the bath too much. Remove the dissolved photoemulsion from the screen by rinsing thoroughly with water (high pressure water washer).

Notice: Never allow PREGASOL EP 3 (1:100) solutions to dry on the screen as the combination of PREGASOL EP 3 (1:100) and photoemulsion is extremely difficult to remove. Furthermore, ensure that decoating, coating and degreasing take place in separate areas and at different times.

During the decoating process, PREGASOL EP 3 (1:100) spray mist is produced which can settle on screens in the same room. When coating, this

spray mist will cause localised hardening which will remain in open areas after developing.

COLOUR

White

CONSISTENCY

Pourable, crystalline powder

**HEALTH HAZARDS/
ENVIRONMENTAL
PROTECTION**

When working with PREGASOL EP 3 (1:100) and -EP 3 (1:100) solutions it is recommended to wear safety goggles and gloves. Clean splashes or crystals off the skin with plenty of water. Never allow PREGASOL EP 3 (1:100) (- solutions) to dry on organic materials (e.g. cleaning rags made of paper, textile and various synthetics) as this may cause self-ignition. If spray mist is produced, ensure sufficient extraction - do not breathe fumes.

Avoid contact with bleaching cleaners containing chlorine (e.g. PREGAN ANTIGHOST) as chlorine gas is released here.

PREGASOL EP 3 (1:100) does neither contain heavy metals nor chlorine compounds, therefore, in usual working dilution, PREGASOL EP 3 (1:100) solutions can be emptied into drains. Due to the oxidative effect, AOX-Value-Determinations according to DIN EN ISO 9562 may be influenced.

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

STORAGE

2 years (at 20 - 25°C)