Replaces the Technical Information dated 09.04.09 Update: 04.05.10

PREGASOL® CF 20

Screen decoating concentrate (1:20)

PREGASOL CF 20 is a highly concentrated, liquid screen decoating solution which is used in a dilution of 1:20 with water. The high dilution possibility is especially suitable for use in automatic screen decoating units. PREGASOL CF 20 solutions are colour- and odourless, free from chlorine, do not damage the mesh and do not bleach. A milkiness which often occurs when diluting with calciferous water - especially with products in powder form - does not appear. Suitable for all direct photoemulsions and and flms (not for indirect films).

APPLICATION

The ready-to-use decoating solution is prepared by adding approx. 20 litres of water to 1 litre of PREGASOL CF 20.

We recommend reducing in a ratio of 1:20 with water. When using water resistant photoemulsions which are more difficult to decoat, mix 1 litre of PREGASOL CF 20 with approx. 15 litres of water only.

High dilution recommendation makes it suitable for use in automatic screen decoating units. Strong foam may occur due to dissolved photoemulsion particles. This foaming can be avoided by adding approx. 0,05 - 0,3% of KIWOMIX ZL 1064.

PREGASOL CF 20 solutions can also be used for manual decoating or for decoating in an immersion bath. Evenly apply PREGASOL CF 20 solution with a brush onto both sides of the screen which has carefully been cleaned of ink residue and distribute well. Gently brush the screen and after a short reaction time thoroughly rinse with a strong water jet (high pressure water washer).

Decoating in an immersion bath: Before putting the screen into the PREGASOL bath, thoroughly rinse the screen which has completely been cleaned of 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 and the reducing ratio of the bath and usually varies between 30 sec. and a few minutes. Remove the dissolved photoemulsion from the screen by rinsing thoroughly with water (high pressure water washer).

Notice: Never allow PREGASOL CF 20 solution to dry on the screen as the combination of PREGASOL and photoemulsion is extremely difficult to remove.

Notice: Use PREGASOL CF 20 as intended only as screen decoating agent. Do not mix it with other chemicals. Beside uncontrollable oxidation reactions, brown, toxic iodine can be generated.

Ensure that coating, decoating and degreasing take place in separate areas and at different times. During the decoating process PREGASOL CF 20 spray mist is produced which can settle on the screens stored in the same room. When coating, this spray mist will cause localized hardening which will remain in open areas after developing.

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update: 04.05.10

PREGASOL CF 20 is acidified to avoid precipitation after dilution with hard water. Acid components may attack and discolour steel and galvanized steel frames. Therefore please test the suitability of the frame type used. Ask your KIWO distributor or KIWO direct for advice.

COLOUR

Colourless

CONSISTENCY

Liquid

HEALTH HAZARDS/ ENVIRONMENTAL PROTECTION

When working with PREAGSOL CF 20 (- solutions) it is recommended to wear safety goggles and gloves. Remove drops on the skin with plenty of water. Do not allow PREGASOL CF 20 (- solutions) to dry on organic materials (as e.g. cleaning rags made of paper, textile or various synthetics) or combustible filter materials, this may cause self-ignition. If PREGASOL CF 20 spray mist is produced, ensure sufficient ventilation – do not inhale. Avoid contact with bleaching cleaners which contain chlorine (e.g. PREGAN ANTI-GHOST) as toxic chlorine gas is produced.

In usual working dilution PREGASOL CF 20 solutions can safely 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℃)

If affected by frost, a white residue can be formed on the bottom of the container. This residue can be dissolved by warming up to room temperature and thorough stirring.