
TECHNICAL INFORMATION

Antighost VCL900

Chlorine-containing haze remover gel for screen printing

VCL = Vipro Clean Line

1. Properties

Antighost VCL900 is a highly effective alkaline gel for removing ghost images. It contains hypochlorite (active bleaching chlorine) and no complexing agents. Its viscosity ensures a thin, uniform coating over the entire mesh with excellent wetting properties.

Antighost VCL900 is particularly suitable for removing diazo residues and typical ghost images, such as stencil and ink stains, from polyester and polyamide (nylon) mesh. The gel is not suitable for stainless-steel wire mesh or metallised mesh.

The active bleaching chlorine thoroughly discolours and regenerates the mesh, helping to prevent loss of print quality and problems with stencil adhesion.

This alkaline gel is corrosive and oxidising and is intended for industrial use only. Do not mix with acids or other organic materials.

Information on occupational safety, health and environmental effects can be found in the relevant Safety Data Sheet in accordance with Regulation (EC) No 1907/2006.

2. Application

Antighost VCL900 is normally applied after stencil removal, preferably using a chemical-resistant (stainless-steel) coating trough or a soft brush. Apply the gel sparingly to both sides of the preferably dry, stained screen in a thin, even layer.

Do not apply Antighost VCL900 in wash-out booths directly connected to the sewer system, to prevent bactericidal active chlorine from entering wastewater.

Therefore, wipe the application equipment (coating trough or brush) clean with a dry cleaning cloth instead of rinsing it with water. Dispose of contaminated cloths properly.

Screens should be treated in a well-ventilated work area. The floor must prevent the gel from penetrating it. Otherwise, chemical-resistant containment (preferably plastic) must be provided in accordance with national environmental regulations governing water-hazardous substances.

When applying Antighost VCL900, ensure that:

-
- no thick accumulation of gel forms along the edge of the coating trough;
 - no gel flows into the groove between the frame profile and the mesh adhesive.

3. Drying and further treatment

Keep the gel-coated screen at room temperature (maximum 25–30 °C) until Antighost VCL900 has dried completely (crystallised), usually overnight. During this reaction time, the active chlorine breaks down and is converted.

Under no circumstances accelerate drying with cold or warm air, such as a blower or draught. Temperatures of approximately 30–35 °C may also damage the mesh. Ensure that relative humidity in the work area does not fall below 30%.

Even when Antighost VCL900 is applied correctly, the mesh may tear during drying if very fine polyester mesh (thread diameter below 35 µm) is used and/or if the mesh has already been severely damaged mechanically or chemically. No liability or compensation is accepted for such production-related mesh damage. Please contact our laboratory or technical service team if you have any questions.

After drying, rinse the screen from bottom to top using high-pressure water in a well-ventilated, chemical-resistant wash-out booth.

For optimum results, it may be necessary to treat the dried mesh before high-pressure rinsing with a biodegradable, water-emulsifiable ink remover, such as VARIOCLEAN S 4306. Apply this activator to both sides of the stained area. After a short contact time, rinse the screen from bottom to top with high-pressure water.

This additional treatment improves the effectiveness of Antighost VCL900 on stubborn organic emulsion and/or ink residues on the mesh surface.

4. Environmental aspects

Antighost VCL900 contains active bleaching chlorine and may form toxic adsorbable organic halogens (AOX). The gel must therefore not be discharged directly, while wet, or without prior treatment into the sewer system.

The gel must be completely dry (crystallised) before rinsing with water. Both national and local regulations must be observed when discharging wastewater.

5. Storage and packaging

Antighost VCL900 is supplied as standard in plastic containers of 1, 5 and 20 litres. Store in a dry, frost-free place away from direct sunlight. At ambient temperature, in tightly sealed containers, the gel has a shelf life of up to 9 months without deterioration in quality or significant loss of effectiveness.

Technical advice and liability

Our technical advice, whether given verbally, in writing or through trials, is based on our current knowledge and is intended to provide information about our products and their use. It does not constitute a guarantee of specific product properties or suitability for every application. You must therefore carry out your own trials with the supplied products to determine their suitability for the intended process or purpose. Selection and testing of products for a particular end use remain solely your responsibility.

