



CLEAR WATER BASED COATING WITH UV PROTECTION



ADVANCE CLEAR Multi-purpose Concentrated and Ready to use is an cost-effective way of over-protection of digital prints of all types, exposed to the outside with **NO SOLVENT , NO ODOR** .This is a extreme transparent water-based clear with very low air emission (Low-Voc) ECOLOGICAL for lamination of banners , stickers , printed vinyl for trucks , art reproductions , vehicle graphics , floor adhesive , and also has a very good adhesion on paper , wood , expanded pvc , glass, metal etc. It is very easy to apply. This product has been specially formulated to use in automatic or manual laminator machines but can be apply manually with rigid foam roller, brush, foam applicator or window “mops” . For all inkjet inks technology included latex inks and water sensitive inks.

FEATURES

- Completely replace rigid laminating films with a lower cost.
- Contains UV filters and inhibitors by layer and high performance light stabilizers, for all this increases lifetime of the printed from 3 years to 5 years.
- Provides excellent durability to outdoor printed and written materials.
- This product is water based, environmentally friendly low-emission (LOW VOC).
- With no SOLVENTS, no ODOR , no necessary additional respiratory protection.
- It has excellent transparency and enhances the colors protected.
- It is extremely flexible, 200% and is especially recommended for vehicle graphics, floor graphics, printed vinyl for trucks, can withstand temperatures below zero, without alterations.
- In awnings, canvas helps maintain flexible and free of dirt.
- Protects against abrasion and wear, high scratch resistance even without a catalyst.
- Provides resistance to water and cleaning chemicals and some solvents, even without a catalyst.
- Do not yellow with time.
- Can be used in most digital prints including water sensitive inks, also on electrostatic and thermal printing, and the New Latex inks.
- Can be used on most of the media used in digital printing and others, including waterproof canvas, vinyl, PVC in general, paper, fiberglass, plastic, wood. But we always recommend that a test of accession over-printed material , prior to the start of production.
- The laminated surface protected on its surface is very smooth making it difficult for the accession of dirt, dust particles, microorganisms and other.
- Available in 2 types of finish: gloss or semi-gloss with ultraviolet-protected
- Performance in roller applications 19 mts² to 21 mts² / 1 kg. WITHOUT Addition of distilled Water.

PRODUCT APPLICATION

- **CONCENTRATE** PREPARATION: 75 % CONCENTRATED LAMINATOR 25 % DISTILLATED WATER, depending on application method selected. Remember only that the higher the dilution, the lower layer of product will be applied while respecting the degree of dilution will not be affected product performance.
- **READY TO USE** – You can add 3 to 5 % of distilled water.
- Shake the product before its implementation slightly, and add distilled Water, trying not to generate bubbles.
- Before applying, wipe and dry the surface to be treated.
- Apply the clear manually with rigid foam roller, brush, foam applicator or window “mops”.
- In applications for foam roller if the process generates a significant foam on the surface, but after some minutes the foam disappears and the surface is smooth and shiny.
- In spray gun applications is necessary to adjust the viscosity with distilled water, but be careful not to dilute in excess because in a higher dilution, a lower layer, less grip, less protection against UV rays. In case of using very diluted product applied more layers on the surface to be treated. In spray guns, pressure should be adjusted approximately between 45 to 50 psi.
- If you want to apply two hands on any of the methods chosen, (not required) wait for the first application is dry or dry to the touch, then apply the second.
- Drying time depends and varies greatly of temperature and humidity, as well as the applied layer thickness. Under conditions of humidity above 80% is not recommended to apply the product, since in these conditions, the surface to be treated, although not visible to humans, has on its surface a thin layer of water. Do not apply this product in temperatures below 10 ° Celsius. If the temperature is close to 10 °, allow the material covered in a horizontal position to avoid the blast. Drying can be accelerated to a few minutes by the apply of radiant heat, hot air, or similar.
- In Automatic roll to roll laminators speed adjustment / temperature according to the applicator (cylinder) layer thickness used. The test method most commonly used prior to the completion of the process ... is stick vinyl or canvas treated (clear against clear manually by pressing) and verifying that it has no tacking between treated surfaces, prior to roll the product again with the clear applied. In this way ensures that when removing the equipment and roll treated the clear will not stick with the endorsement of the material treated.
- To clean the automatic machine or implements selected for the application of this product should be made with common water.
- When the product is diluted, do not return to its original container, keep it labeled, but separated from the original product.
- **IMPORTANT** Always perform tests, adherence and dried prior to production, to monitor the performance of the product applied.

“Concentrated Formula”

CODIGO	DIRECTORY OF PRODUCTS	UVPROTECTION
HO32-CB	■ LAMINATOR HIGH GLOSS CB	✓
HO32-CS	■ LAMINATOR SATTIN CS	✓

PREPARATION

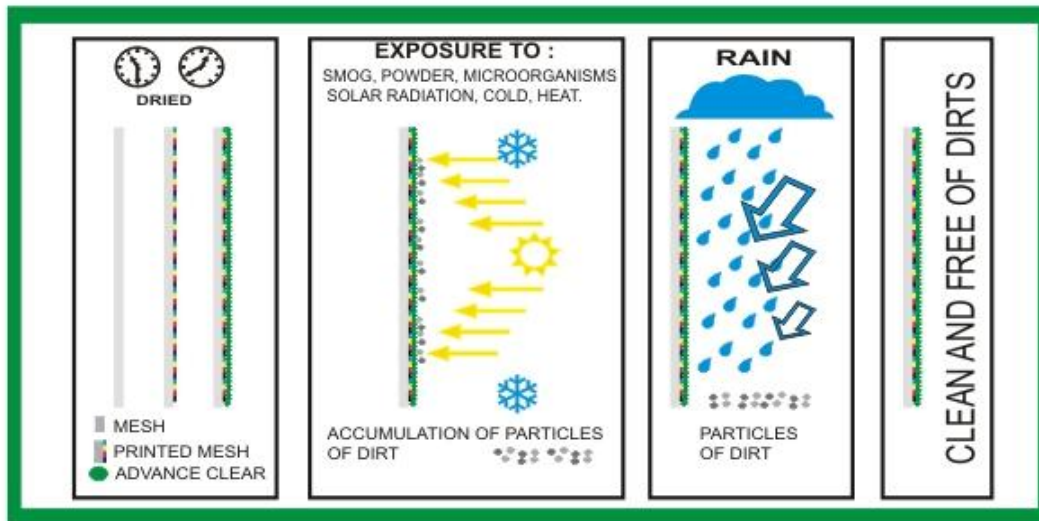
75 % of concentrated laminator 25% distilled water

“Ready to use”

CODIGO	DIRECTORY OF PRODUCTS	UVPROTECTION
HO32-LB	■ LAMINATOR HIGH GLOSS LB	✓
HO32-LS	■ LAMINATOR SATTIN LS	✓

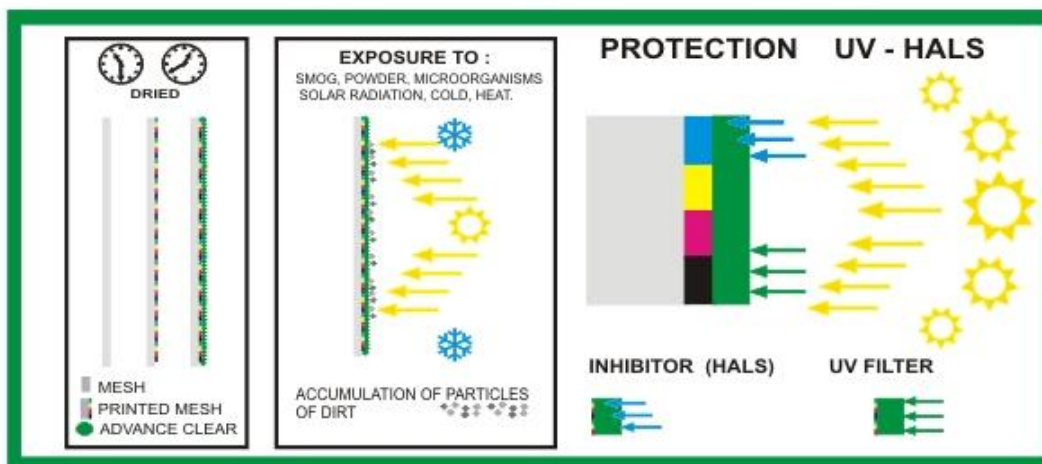
PLASTIC CONTAINERS – 0.900 KG - 4.500 kg - 9.00 KG – 18.00 KG

COMPLETE CYCLE OF PROTECTION



ULTRAVIOLET PROTECTION

TIPO A - (UV-A) - TIPO B - (UV-B) - TIPO C - (UV-C).



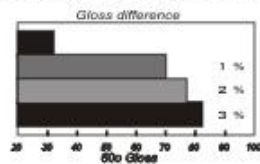
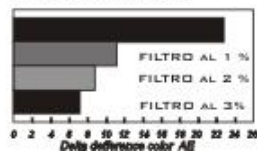
TEST : Fuente: Fabricante del filtro - Contenido barniz ADVANCE CLEAR 3 %

Resina: Mezcla de resinas base agua.
Film Thickness: 85 mic(wet) - 35 mic (dry)
Exposure Unit: Q-U-V con UVB- 313 tubo
Test Methods: ASTM G 154
Dosage 1 - 3 % Solid content

Application: Spray : Dry 6 hours

Exposure time : 1000 horas

Gloss retention and Yellowness Index : ASTM G 154



IMPORTANT

*** Advance stands behind the quality of this product. Advance cannot, however, guarantee the finished results because Advance exercises no control over individual operating conditions and productions procedures. While technical information and advise on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate products for their end-use requirements. Users are also responsible for testing to determine that our product will perform as expected during the printed item's entire life-cycle from printing, post-print processing, and shipment to end-use. Any associated with the use of this product is limited to the value of the product purchase from Advance. ***