

• Aspect

Glossy.

• Applications

Printing on rigid PVC from 120 μ .

• Major advantages

Accept overprinting of offset inks ,UVICARD inks and SOLVCARD inks , lamination and embossing. Thin ink deposit, very good ink stability in the screen.

Finishing very close to solvent based inks.

• Equipment

Cylinder screen printing equipments (SPS, SAKURAI...).

• Available colors

Metallic, pearls, transparent colors.

TECHNICAL CHARACTERISTICS**• Screens**

Metallic: Mesh from 61 to 120 Threads/cm, **Pearls:** Mesh from 50 to 120 Threads/cm

Transparent colors : Mesh from 120 to 140 Threads/cm.

• Stencil

Emulsions must be water and solvent resistant.

• Squeegees

Polyurethane squeegee HR1 75sh or medium.

• Coverage

With a 50 Threads/cm, 1kg will cover 20 to 25m², with a 61 Threads/cm , 1kg will cover 25 to 30m²

With a 120 Threads/cm, 1kg will cover 60 to 65m²

• Mixing

Aquacard colors can be mixed together.

• Cleaning

With Thinner AC201 or water.

• Packaging

Plastic pails in 1kg and 5kg.

• Storage

1 year in closed pails kept between +5°C and +35°C.

PRINTING CONDITIONS**• Dilution**

Ready to use. However, dilution with up to 5% water is possible.

• Drying

By water evaporation , in a hot air tunnel at 50°C or two IR tunnels between 50°C and 60°C , for a few seconds, followed by a UV polymerization from 80 to 120 mJ/cm².

• Configuration type**• Lamination**

Between 130°C and 140°C during 5 to 15 minutes with a coated overlay. In case of use a uncoated overlay it must be useful to apply our UV Overlay Adhesive to improve it adhesion on to the ink film.

For instance: AQUACARD inks printed on to a PVC 400 μ , laminated with 60 μ coated overlay in a Oasys laminating system OLA6H. The peel test strength will be 10N/cm (average value observed) tested with a Lloyd LS1 equipped with TG113 at 90°

• Handling

Pail opened for sampling must be carefully closed as soon as possible; artificial or natural light may induce an initial polymerization characterised by the formation of a surface skin. It is recommended for this reason to work with reduce lighting or with no-actinic light.

• Hygiene and safety

Although the products chosen for use in formulating are not dangerous, they can produce allergic reactions in some particularly sensitive people. Ink or thinner stains on skin will be washed immediately using soapy water.

In all case, please refer automatically and only to hour safety datasheets.

Guarantee reserves

Although the data indicated in this sheet has been established after thorough tests, they are only given as an indication : the VFP company cannot be held responsible in any way, it being understood that we recommend to make tests before any production run. No salesman, representative or agent is entitled to provide a guarantee or any assurance which might contradict the above statement.