

Water-based  
UV Screen Ink

**NAZDAR**  
INK TECHNOLOGIES

**VFP**  
Ink Technologies

Nazdar® has partnered with VFP to become the exclusive United States supplier of AQUACARD® Water-based UV curable screen ink to the U.S. Plastic Card Manufacturing Market.

# AQUACARD

## Plastic Card Ink

by **VFP**  
Ink Technologies



- Water-based UV screen ink ready to use
- More environmentally friendly, VOC free.
- Dries immediately in a quick 2 step process
- Improves overall production capacity
- Better finished product quality with excellent detail printing and color stability
- No Solvent Evaporation
- Metallics, pearls and transparent colors
- 12 months shelf life
- Suitable for offset overprinting
- Overprints UVICARD® CC107CAV2 Opaque White

[www.Nazdar.com](http://www.Nazdar.com)

- **Ink Type:** Water-based UV curing ink
- **Available Colors:** Metallic, pearls, transparent colors.
- **Finish:** Glossy
- **Applications:** Printing on rigid PVC from 120 $\mu$ .
- **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.
- **Printing Equipment:** Cylinder screen printing equipment

## Technical printing characteristics

### • Screen

Metallic: Mesh from 155 to 305 threads/inch  
Pearls: Mesh from 127 to 305 threads/inch  
Transparent colors: Mesh from 305 to 356 threads inch

### • Stencil

Emulsions must be water and solvent resistant

### • Squeegee

Polyurethane squeegee HR1 75sh or medium

### • Mixing

Aquacard colors can be mixed together

### • Dilution

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

### • Curing

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/cm

### • Lamination

Between 266°F and 284°F for 5 to 15 minutes with a coated overlay. In case of use a uncoated overlay apply our UV Overlay Adhesive to improve adhesion on the ink film.

### • Coverage

With a 127 Threads/inch, 1kg will cover 215 to 269 ft<sup>2</sup>,  
with a 155 Threads/inch , 1kg will cover 269 to 323 ft<sup>2</sup>  
With a 305 Threads/inch, 1kg will cover 646 to 700 ft<sup>2</sup>

### • Cleaning

Thinner AC201 or water

## Other characteristics

### • Handling

Opened pails should be closed immediately after use. Exposure to 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.

### • Storage

Up to 12 months in closed pails kept between 41°F and 95°F.

### • Packaging

- 1 KG Containers
- 5 KG Containers

### 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.*

### Limited Warranty:

*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.*