



# Alpha • Dot

Advanced Component Marking System

## DD Aqua – Secure

CODE: 121007

REVISIONS: 01

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### GENERAL DESCRIPTION

A ready to use water-based clear gloss finish coating, designed for application to various substrates, (new and old), based on a self-cross-linking modified acrylic dispersion.

### USES AND PROPERTIES

Compliant with SANS 534 -2:2020 Part 2 vehicle security

To give a clear gloss finish

To provide a durable finish

### TECHNICAL DATA

Binder Type	:	Self-crosslinking modified acrylic coating.
Drying Time	:	Hard Dry: 1-2 hours (at 23°C and 50% humidity lab conditions) Full cure up to 14 days @ application temperature >15°C and <40°C
Drying Process	:	Solvent evaporation /coalescing
Over coating	:	6-8 hours
Viscosity	:	90– 95ku
Specific Gravity	:	1,05 ±0,05kg/litre
VOC content	:	33.1 grams per Litre (MEG 0.5%, Ethanol 1%, Dowanol DPnB) DPnB 2%)
Non-Volatile Content	:	Mass: 32%±3%
Volume	:	30%±3%
Gloss	:	Clear Gloss
Coverage	:	5m <sup>2</sup> /L for 20µ Dry Film Thickness
Flash Point	:	Over 21°C
Application Temp	:	>15°C and <40°C
Colour Range	:	Clear
Cleaning Equipment With	:	Water
Pack Sizes	:	20 litres

Coverage/spreading rate of DD Aqua – Secure Adhesive depends largely on the condition and porosity of the substrate being applied and the manner in which the product is applied.



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## **APPLICATION**

Correct surface preparation is essential for good product performance and all surfaces should be prepared as per the standard DataDot Preparation Specifications. Copies of these are available on request from DataDot.

Do not apply the product when the surface temperatures are below 15°C or exceed 40°C. After correct surface preparation, mix thoroughly, and apply in accordance with DataDot specifications

## **SAFETY INSTRUCTIONS**

Always keep out of reach of children and animals. Wear a suitable dust mask and goggles when preparing surfaces. Ensure good ventilation during application and drying.

If accidental contact with skin, wash immediately with soap and water or a recognised skin cleaner. If accidental contact with eyes, rinse immediately with plenty of water and seek medical advice. Harmful if swallowed. Seek medical attention and do not induce vomiting.

## **PREVENTING PROBLEMS AND GENERAL INFORMATION**

IMPORTANT: Surface must be dry and clean before application. The ambient temperature must be between 15°C and 40°C and humidity between 10% and 85%.

Excessive application thickness and/or rapid drying could lead to mud cracking.

Avoid applying under adverse weather conditions as this could result in poor product performance.

## **CLEANING, STORAGE AND DISPOSAL**

Remove as much adhesive as possible from application equipment and wash immediately after use with water. Do not empty contents or wash into drains or water courses.

## **CLEANING AND DISPOSAL**

When disposing please follow local authorities' regulations and recycle the container after use. Avoid storing in direct sunlight and heat.

## **STORAGE**

At temperatures between 15°C and 25 °C.

Synthetic mixtures additives containing water may freeze or get inhomogeneous at temperatures below 0 °C. The product turns liquid again at room-temperature. The regeneration process can take up to 24 hours at room temperature. It is therefore recommended to ensure frost proof storage of such products. Although the glue has been tested to be freeze thaw stable it is HIGHLY recommended to store the glue at room temperature conditions to preserve the stability.