



TECHNICAL DATA SHEET

ROAD MARKING PAINT WATER BASED AQUA (QL90)

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Description

A high performance, water borne, acrylic, line marking paint possessing fast drying, good adhesion & high wear resistance for use on bituminous and concrete .

Typical Uses

- As a long lasting road marking paint.
- On bituminous and concrete substrates eg tennis courts, car parks, main highways, city streets and airport run-ways. Where excellent glass bead holding is required.

Properties

Resin System	Acrylic Emulsion
Pigmentation	Titanium Dioxide, Organic Pigments
Finish	Matt
Colour	Yellow & White.
Dilution Rate	Used as supplied.
Volume Solids	64% ± 2.0%
Theoretical Coverage	2.2—3.6m ² /litre 220-180mic DFT
Dry Time @ 25 D°C	A minimum of 15 minutes. Preferably longer should be allowed before driving or walking over.
Number of Coats	1
Clean up	Water, for a through clean of equipment Methylated Spirits can be used. For dry paint thinners (Xylene/Toluene is recommended.

Performance / Limitations

- Fast drying. (M7 specification classification rapid dry)
- Excellent resistance to bleeding.
- Improved retention of glass beads (when compared to alkyd based paints).
- Dry times will be longer in cold or high humid, windless weather.
- Not suitable on new asphalt surfaces as contraction of acrylic film may occur and stress the soft asphalt.
- NOT recommended for use over damp or wet surfaces or used under 10°C.
- Whilst water based Roadmarking paints prefer higher temperatures and lower humidity, than solvent based paints, Water based QL90 is robust enough to be used on mild winter days.

Preparation

- Surfaces must be clean, dry, free from oil , grease, lichen, etc before application.
- Can be applied directly to bare, unprimed or unsealed surfaces.

Application

- Stir thoroughly before use.
- Recommended application method is by spraying and airless is preferable.
- May be thinned up to 5% by volume with water to aid application.
- It can be brush applied but with difficulty. It dries so fast it must be wiped on and then left alone as it can surface dry in seconds. It can also be thinned slightly with water to slow the drying and make brushing easier, but getting a thick layer onto the surface is still important.
- First coat application to semi new or aged hot mix on car parks or tennis courts etc, apply a dust coat of approximately 50 Microns DFT, leave to dry for 24 hours minimum and then apply second coat to desired film build.

Approvals

New Zealand NZTA M/7

Health and Safety

- For detailed information refer to the Material Safety Data Sheet.
- Provide adequate ventilation during use.
- Avoid breathing vapour.
- Wear eye protection when handling as splashes to the eye may cause irritation.
- If swallowed or eyes become contaminated, seek immediate medical attention.
- Handle with care.

Available: 4 Litre, 20 Litre, 200 Litre

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