

1. DESCRIPTION

Hydro-Stripe Road Marking is a premium fast drying **waterborne**, 100% acrylic marking paint for use on asphalt, bituminous and concrete roads, curbs, parking lots, driveways, air fields and helicopter pads. **Hydro-Stripe** dries very fast, has excellent adhesion and demonstrates exceptional resistance to weather, rubber-tired vehicles and foot traffic. With or without additional drop-on glass beads.

2. FEATURES

- This product has outstanding resistance properties:
 - Excellent against Weathering
 - Excellent against water
 - Very good against hydrocarbon solvents
 - Excellent against abrasion
- It complies with specifications SANS 731
- Dries out rapidly and is touch dry in less than 2-5 min's and hard and dry to no pick up within 7-8min's.
- The product is **water-based**; dilution of the product is not necessary and cleaning of equipment therefore performed at low cost.
- It is coloured with colour-fast pigments and will therefore not fade in the sun or be affected by alkaline salts.
- Low VOC**

3. RECOMMENDED PREPARATION OF SURFACES:

- General:** All surfaces must be cured, clean, dry and free from dirt, dust, stains, grease, oil, mildew, wax, efflorescence, bond-breakers and other contaminants.
- Bitumen:** Be sure the surface is clean, dry and sound. Check for oil, grease or any other loose particles or contaminants and remove
- Concrete:** Thoroughly clean the surface which is preferably to be fully cured and free of release agents. Surface laitance and efflorescence (moisture tolerance within specification)
- Take Note:** Concrete must be at least one month old while bitumen surfaces preferably three months old
- This product must be used within 12 months of manufacturing.**

Chip and Spray: application adjustment to allow for surface texture/profile

ACRYLIC FLOORPAINT

HYDRO-STRIPE ROAD MARKING PAINT

ISSUED DATE: JUNE 2014 Rev 1

TECHNICAL DATA

<i>Product Code</i>	FS1145
<i>Colour</i> <i>Appearance</i> <i>Shelf life</i> <i>Packaging</i> <i>Flashpoint</i>	White, Yellow & Red Matt 12 Months 20 L Plastic Buckets or 200L Drums Non flammable
<i>Viscosity</i> <i>S.G (weight)</i> <i>Solids per volume</i> <i>Solids per mass</i> <i>VOC</i>	80-90 KU @23°C 1,58-1,61kg/L Approx. 57% Approx. 73% 23g/L
<i>Theoretical Spreading Rate</i>	1,51m ² /L 320 @µm per coat (will vary depending on the type of surface. The rate can drop due to rough texture and high absorption surfaces.
<i>Practical Spreading rate</i>	15,10m ² /L @ 320µm, 100mm wide
DRYING TIME <i>Touch dry time</i> <i>Dry to no pick up</i>	 Less than 2-5 min's @ 23°C 7-8 min's @23°C (ASTM D1640)
APPLICATION <i>Spray</i> <i>Roller & brush</i>	 Airless spray recommended, for parameters see application method Not recommended.
<i>Cleaning</i> <i>Mixing</i>	Water Stir until homogeneous

- **Beads:** If drop-on glass beads are used:
 - Bead type: Silane coated beads
 - Bead size and distribution: 150-850µm. This will give maximum retro reflectance and bead retention

4. APPLICATION METHOD

- Airless spray at 1800 – 2000 PSI
- Fluid tip: 515 for 100mm and 719 for 150mm strip
- Nozzle height: 15-17cm
- Filter: 50 mesh
- Brush and roller application not recommended.

5. PRECAUTIONS

- Application should be avoided in cold and moist weather conditions.
- **Do Not** apply the product at surface temperatures below 6°C (minimum of 2°C above dew point) and temperatures above 40°C
- **Do Not** apply if ambient temperature is less than 10°C or more than 40°C.
- **Do Not** apply if relative humidity temperature is less than 10°C or more than 85. °C
- Pay attention to the preparation of surfaces.
- Store away from direct sunlight, severe cold or heat
- Small test areas should always be coated for suitability prior to full application.
- This product can neither cause or prevent or cure the growth of mold, mildew, or other forms of fungus. Excessive moisture and inadequate ventilation are the main conditions that promote their growth.
- Thinning not recommended.

Environmental Health & Safety Information

WARNING! IRRITANT! HARMFUL IF SWALLOWED. CONTAINS: PROPYLENE OR ETHYLENE GLYCOL. MAY CAUSE EYE, NOSE AND THROAT IRRITATION. AVOID CONTACT WITH SKIN AND EYES AND AVOID BREATHING OF VAPORS AND SPRAY MIST. WEAR EYE PROTECTION AND PROTECTIVE CLOTHING. USE ONLY WITH ADEQUATE VENTILATION. To avoid breathing vapours and spray mist, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness, increase fresh air. If properly used, a respirator (NIOSH approved for organic vapor with P series particulate pre-filter) may offer additional protection; obtain professional advice before using. A dust mask does not provide protection against vapors. Avoid contact with eyes and skin. Wash thoroughly after handling. Close container after each use. **FIRST AID:** If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If swallowed, get medical attention immediately.

CAUTION: KEEP OUT OF REACH OF CHILDREN AND ANIMALS - DO NOT TAKE INTERNALLY.

Refer to Material Safety Data Sheet for additional health and safety information.

IN CASE OF FIRE: Use foam, CO2, dry chemical, or water fog.

SPILL – Absorb with inert material and dispose of as specified under **Thinning/Clean-up**.

† **WARNING!** If you scrape, sand or remove old paint, you may release lead dust.

DISCLAIMER

The technical information contained in this document are given in good faith and are meant to be used as a guideline by the specifier or user. Whilst we are confident about the quality of our products, we cannot accept any liability for the incorrect use or application of our products. Surface preparation forms an integral part of the scope of works and it is expected that the highest standards are maintained during surface preparation and application, to ensure that our products perform as intended. Always ensure to use the same product batch numbers, refrain from doing spot touch-ups and paint surfaces from corner to corner to prevent colour and sheen variance. As technology may change over time we reserve the right to change products to keep up with changes in raw materials or product trends without pre notice. Although we will always prevail to keep clients informed about changes to be made, but cannot bind ourselves to such notes Please ensure the use of the latest Technical Data Sheet.

Please note : that all our latest Product Data Sheets and Material Safety Data Sheets are available for viewing on our website at www.impa.co.za. All information listed is owned or used under licence of Impa Paints and its related companies. © 2010 Lurama 149 (Pty) Ltd. All rights is reserved.