



Product Description

A single component, quick drying, high build, 100% Acrylic Resin road & line marking paint. **Berger Non-Reflectorised & Reflectorised Road Marking Paints** are specially formulated for use in the Tropics, being virtually non-bleed on every type of road surface. The difference between Cataphos and Catelite types is the addition of glass beads to the Reflectorised road marking paint, during manufacture. The beads act as individual “cats’ eyes” to greatly increase light reflection.

Design Use

AREAS OF USE: Berger Road Marking Paint SB is designed for use on asphalt/tarmac, bituminous road surfaces and concrete. It is used to create lines, traffic markings and demarcations and is available in both non-reflectorised and reflectorised types.

Characteristics

- Easy to use one component product that can be brush or spray applied
- Excellent obliteration / hiding power
- High reflectivity / luminance factor
- Good build and coverage on new asphalt
- Short no-dirt pick up time of 15 minutes max
- Excellent alkali resistance on concrete surfaces
- Resistant to weathering
- Abrasion resistant
- Good adhesion
- Excellent breathability

Physical Data

COLOUR:	White and Yellow
FINISH:	Sheen
DENSITY:	1.4 kg/litre (typical for white)
VOLUME SOLIDS:	49% (typical for white)
TYPICAL FILM THICKNESS:	290-300 microns DFT with beads (568-588 WFT) 230-250 microns DFT without beads (450-490 WFT)
THEORETICAL COVERAGE:	1.63 m ² /litre at 300 microns DFT with beads 1.96 m ² /litre at 250 microns DFT without beads Allow loss factors
APPLICATION METHOD:	Brush, Roller or Spray
TEMPERATURE RESISTANCE:	Dry continuous – 80°C
NUMBER OF COATS:	1 by Spray
VISCOSITY:	83 - 85 KU
FLASH POINT:	2°C
DRYING TIME W/	
SUBSTRATE TEMP:	Touch: 15 Minutes @ 25°C; Hard Dry: 1 Hour @ 25°C
OVERCOATING DATA W/	
SUBSTRATE TEMP:	Minimum: 1 Hour @ 25°C; Maximum: Extended

Certification Data

Consult Berger Technical Representative for details.

Systems & Compatibility

Consult Berger Technical Representative for coating system solutions.

BERGER Road Marking Paint (Non-reflectorised & Reflectorised)



Surface Preparation

The performance of this product will depend upon the degree of surface preparation. The surface to be coated must be clean and free from contamination. Prior to paint application all surface should be assessed and treated in accordance with ISO 8504:2000.

Accumulated dirt and soluble salts must be removed. Dry bristle brushing will normally be adequate for accumulated dirt. Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning. This method can be used on previously coated substrates.

New Surfaces

Permanent Markings: Ensure that bituminous screeds have cured for a minimum of 3 months to avoid bleeding through the coating.

Temporary Markings: if the coating is applied to bitumen screed less than 3 months old or to concrete less than 1 month old, the expected life of the coating will be less than 6 months.

Application Data

MIXING:	Material is supplied in metal containers. This is a one component product and does not require a hardener. Agitate/stir the product well before use to ensure a homogeneous mix and no settlement of pigments. The temperature of the mixed product should preferably be above 10°C, Higher temperatures results in reduced sag resistance and faster cure.
POT LIFE:	No Limitation
THINNER:	Reducer No. 4. 0-20% depending on Air Spray only. Do not thin for Airless Spray
AIRLESS SPRAY:	Recommended: Tip Range 11-17 Thou. Pressure at the tip should not be less than 170 bar (2500 PSI)
AIR SPRAY:	Recommended: Gun Pressure/Gravity Feed. Fluid Tip 1.1 mm to 1.6 mm
BRUSH/ROLLER:	Suitable: Typically 40-50 microns can be achieved
WORK STOPPAGE:	Thoroughly flush all equipment with Reducer No. 4. All unused material should be stored in tightly closed containers. Partially filled containers may show surface skinning and/or a viscosity increase of the material after storage. Material should be filtered and viscosity re-adjusted before used.
CLEAN UP:	Clean all equipment immediately after use with Reducer No. 4. It is good working practice to periodically flush out the spray equipment during the course of the working day. Frequency of cleaning will depend upon the amount sprayed, temperature and elapsed time, including delays.

ENVIRONMENT:	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	10°C*	15°C*	No Limit
Maximum	45°C	45°C	85%

* Or 3°C above dew point.

Limitations

- Not recommended for friable concrete/slurry type surface.
- Over-application will extend both the minimum overcoating periods and handling times.
- Do not apply if relative humidity exceeds 85% or temperature is within 3°C of dew point.
- Can only be applied to cured tar, will bleed on un-cured tar.
- Overcoating information is given for guidance only and is subject to local climate and environmental conditions. Consult a Berger representative for specific recommendations.
- When applying Road Marking Paint SB Alkyd by brush or roller it may be necessary to apply multiple coats to achieve the total specified film thickness of 250 microns DFT.
- Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures.
- Test performance results were obtained in a controlled laboratory environment and Berger makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary, due care should be exercised in the selection and verification of the performance and use of the coating.



Additional Information

CONTAINER TYPE:	Metal
SHELF LIFE:	12 months at 25°C – from date of manufacture. Subject to inspection thereafter. Store in dry conditions out of direct sunlight away from source of heat or ignition Store at temperature between 5 and 35°C.
PACK SIZES:	1L, 5L, 20L, 200L

Safety Precautions

READ DIRECTIONS CAREFULLY BEFORE USE

Do not take internally.

Liquid paint and vapours may cause irritation.

Use only with adequate ventilation.

To ensure the entry of fresh air, open all windows and doors. If headache or dizziness is experienced, use respiratory protection or leave area for fresh air. Avoid contact with skin or eyes.

First Aid

INGESTION:	Do not induce vomiting. Get medical attention immediately.
INHALATION:	If excessive exposure symptoms are experienced, leave area to obtain fresh air. If difficulty continues, seek immediate medical attention.
EYE CONTACT:	Flush immediately with water for at least 15 minutes
SKIN CONTACT:	Wash thoroughly with soap and water



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