



ENNIS-FLINT
A Traffic Safety Solutions Company

02 Paints

Cataphos FS01 Acrylic Paints

Dangerous Goods For Transport

- Land Trans: UN 1263 PAINT, 3, III (D/E)
- Sea Trans: N° UNO 1263 PAINT, 3, III (flash point <23°C)
- TARIC code 3208.20.90

Dosage

- Use the amount of paint and glass beads required in the contract or specifications sheet
- An adequate film thickness is obtained by a dosage of 720 g/m² of paint
- Dosages above 900 g/m² of paint in only one layer can delay the drying time
- An adequate retro-reflectivity is obtained with a dosage from 350g/m² of glass beads

Conditions

- Dry and clean surface, ensure temperature is neither below 5°C nor above 40°C
- Ambient temperature exceeding dew point at least 5°C. Wind speed below 25 km/h
- Material perfectly homogenized: stir the paint in the pail thoroughly before using

Precautions

- In case of relining, ensure pre-existing road marking is securely adhered to the surface
- In case of application upon new concrete surfaces, remove the possible remainder of the curing agents, because they can damage the adhesion of the road marking on the surface

Preservation

- Check and re-homogenize, if necessary, in periods of six months from the manufacturing date. Use preferably within one year from the manufacturing or re-homogenization date
- Protect from storage in the open, with extreme change of temperature

About Ennis-Flint

Ennis-Flint is a worldwide leader in the traffic safety and road marking industry providing quality and performance-driven solutions designed to enhance traffic safety for all users: drivers, pedestrians, cyclists and pilots.

You can find Ennis-Flint products on roads and highways, taxiways, runways, parking areas and in commercial, contractor, governmental, industrial, domestic, retail, airport and architectural settings.

With corporate headquarters in Thomasville, North Carolina and manufacturing, distribution, and sales locations occupying strategic points around the globe, Ennis-Flint does not lose sight of the fact our local relationships are what make and keep us strong.

Ennis-Flint EMEA (Europe, Middle East, Africa) is equipped to serve and exceed our customers' traffic safety and pavement marking requirements with our full range of quality products, outstanding geographic reach, and unmatched customer support with areas of expertise including, but not limited to:

- Road Markings
- Airfield Markings
- Road Studs
- High Friction Surfacing
- Bridge Expansion Joints
- Sealing and Crack Repair Systems
- Decorative Crosswalks and Traffic Calming Treatments
- Surface Graphics Systems
- Road Marking Performance Analysis
- Traffic Products
- Temporary Markings

Contact Ennis-Flint

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Technical Information



Cataphos FS01 Acrylic is a durable, aromatic free chemical resistant traffic and airport marking paint which is suitable for use on both asphalt and concrete.

It is suitable for use on the highway and conforms to both EN 1871 and EN 1436. It is easy to apply by brush, roller or airless spray machine and is available in both White and Yellow.

Surface Preparation

Surfaces to be coated, inside or outside, should be clean, dry and free of any oil or grease contamination. Surfaces should be at least 6-8 weeks old before application. Adhesion should be checked on each specific surface to ensure compatibility. Test patches should be left for seven days before assessment is made. Painted and coated floors can also be coated but each application must be specifically checked.

Uses

Asphalt concrete, block paving and some wooden floors.



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Cataphos FS01 Acrylic - White & Yellow

This paint complies with the European Standard EN 1871.

This paint allows construction of road marking systems¹ which comply with the requirements of the European Standard EN 1436.

(1: The paint and, if necessary, the drop-on glass beads and the anti-skid aggregate, according to the requested type and class of road marking).

Use

Cataphos FS 01 Acrylic may also be used on aged blacktop, thermoplastic coverings, and most type of painted lines. FS01 is suitable for roads, airports, car parks and city applications.

Surfaces must be clean, dry and free from oil and grease contamination, loose dust or laitance. Acid etch concrete if in doubt to remove heavy laitance, or preferably shotblast.

Environment

Cataphos FS01 Acrylic paint uses an aromatic free solvent which is more environmentally friendly than conventional solvent paints.

Storage & Handling

Storage: Store the closed containers in a store-room which is either in a safe place or is a fire resisting structure. The storage and conditions must meet the statutory requirements of the Flammable Liquids.

Pack Size: 25 Kg and 1000 Kg IBC.

Flash Point: Below 21°C. Highly Flammable.

Shelf Life: Six months.

Safety Precautions: Please read the Health and Safety Data Sheet prior to using the paint.

Definitions

Tolerances: All information quoted in this data sheet is subject to normal manufacturing tolerances.

Practical coverage: Practical coverage can vary considerably depending on method of application, surface roughness, traffic, weather conditions and complexity of the structure.



Property	Testing Method	Performance
Non Volatile content	EN12802	77.0% > 2% of the declared value
Specific Gravity	EN ISO2811-1	1.60 > 0.05Kg/L

Application details – Cataphos FS01 Acrylic can be sprayed with an airless or pneumatic system. Brush or roller can be used for small areas.

Product Performances

Cataphos FS01 Acrylic has been tested by the BAST in Germany according to the DIN EN 13197/ BS1436 standard for the turn table test and the DIN EN 1436 for performances:

With the SOVITEC glass beads

Certificates	Wet Thickness	Durability	Skid Resistance	Dry Retro-reflectivity	Retro-reflectivity Rainy conditions	Luminance	Drying Time*
2010 1DS 09.15	300 µm	P5	S2	R5	/	Q5	T2
2010 1DS 09.11	400 µm	P5	S1	R5	/	Q5	T3
2010 1DS 09.09	600 µm	P6	S1	R5	RW3	Q5	T3
2010 1DS 09.16	600 µm	P5	S1	R5	/	Q5	T3

With the WEISSKER glass beads

Certificates	Wet Thickness	Durability	Skid Resistance	Dry Retro-reflectivity	Retro-reflectivity Rainy conditions	Luminance	Drying Time*
2010 1DS 09.15	300 µm	P5	S2	R4	/	Q5	T2
2010 1DS 09.11	400 µm	P5	S1	R4	/	Q5	T3
2010 1DS 09.09	600 µm	P5	S2	R3	/	Q5	T3

*the drying time will be shortened by higher temperatures and lengthened by lower temperatures.

Disclaimer

The information contained herein is the best of our knowledge, true and accurate and is given in good faith but without warranty. The user will be deemed to have satisfied him/herself independently as to the suitability of our products for his/her own particular purpose. In no event shall Ennis-Flint be liable for consequential or incidental damages.

The declared value for every property is mentioned in the technical specification of the product.

The values obtained by the quality control laboratory for every batch are available in the corresponding certificate of analysis. This technical information does not represent guarantee of the performance of the product once applied. It is the responsibility of the user to confirm the suitability of this information for its particular purpose, as well as to test if the product is appropriate for its own use and process.

Scope Of Use

- Asphalt or bitumen and concrete roads
- Relining upon hot melt thermoplastics and alkyd and acrylic paints
- New asphalt roads with limitations, for possible bleeding or staining
- New concrete surfaces with precautions

Limitations

- Protect the road markings from traffic until paint is fully dry
- In case of direct application upon asphalt roads, make a temporary road marking to reduce the possible bleeding or staining caused by the recent bitumen

Retro-reflectivity

- Retro-reflective road marking by dropping glass beads onto the paint film immediately after application
- Use the suitable size gradation and type of glass beads, depending on the requirements of the road marking

Application

- Spraying by air-guns or airless guns
- Road marking machine capable of applying and controlling automatically dosage and homogeneity
- Recommended Settings for LineLazer™ Application - 100mm Line is obtained using LL5319 tip @ 75 bar pressure