

TRAFFICOAT

Series 0018

1K, UHS, fast drying, synthetic road marking paint



General information

System: One pack - 1K
Nature: Solvent-based
Packages: 25 kg/L
Colors ready in stock: White
Suitable Substrates: Asphalt

Technical features

1K Ultra High Solid fast drying synthetic enamel for road marking. Road marking paint with good weather resistance, good elasticity and excellent abrasion resistance. The product is ideal for applications on asphalt when quick post-application walkability and resistance to the passage of vehicles are required. The product is ideal for applications on asphalt when quick post-application walkability and resistance to the passage of vehicles are required.

Application field

Road marking paint suitable for horizontal road markings on asphalted, cemented and paved roads with leucitite-sampietrini. The paint is ideal for new works or for the review of horizontal road marking.

SUBSTRATE PREPARATION

To be colored, the substrate must be healthy, dry, clean, cohesive and seasoned, free from moisture stains, traces of grease and dirt.

ENVIRONMENTAL CONDITIONS

Environment temperature 5°C - 35°C

Substrate temperature 5°C - 35°C

Relative humidity 80 %

Shelf life

6 months in original sealed containers, intact and protected from frost and excessive heat at a temperature not lower than +5°C and not higher than +30°C.

TECHNICAL DATA

Theoretical average spreading rate 4,3 m²/kg each coat at the dry film thickness of 70 µ

Application Spray

Dilution 20-25% with Anti-blooming Nitro Thinner Series D0002

Gloss -

Wet film thickness each coat 102 µ

Dry film thickness each coat 70 µ

N° of coats -

Total dry film thickness 90 µ

Theoretical average consumption 188 g/m²

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DRYING

Overcoating interval	-	Air drying	20°C - 25°C	Dust-free drying	-
Dry to touch	30 minutes	Dry through	-	Full cure	7 days
Flash off	-	Stoving Drying	-	Resistance to temperature	80°C

WARNINGS AND RECOMMENDATIONS

- As the product is based on synthetic oils, it is necessary to pay attention to self-combustion phenomena. Therefore it is advisable to proceed with the correct cleaning of the spray booth and of the air expulsion motors in order to remove all the residues of the dried product, the dust and any deposits of overspray. Before being disposed of, the material removed must be wet with water and placed in airtight containers.
- Use normal road marking machines; brush or roller on small surfaces.
- Do not apply the product at atmospheric temperatures lower than +5°C and with relative humidity values higher than 80%.
- The temperature of the road surface must be between +5° and +45°C.
- Newly developed bituminous conglomerates can create problems of adhesion and/or blackening of the pedestrian crossings and horizontal road signs; it is recommended to wait at least 4-6 weeks before applying the paint.
- To obtain a good level of skid resistance (S.R.T.) and adequate RL retro reflection values, it is necessary to post-spray the paint with suitable quantities of glass beads added with antiskid granules.
- When applied in normal climatic and environmental conditions with spraying machine at the temperature of about 25°C, the paint dries on average within 30 minutes approximately. After drying, it will be strongly adherent to the support, resistant to any deformation due to the action of atmospheric agents. Obviously the drying timing is considerably influenced by the temperatures of the air and the asphalt, the thicknesses and the type of application. In particular climatic and environmental conditions (for example with relative humidity higher than 70%, in case of wind, etc.) the drying could be irregular.

SUPPLY TECHNICAL DATA

Composition	Modified alkyd	% solid content by weight	85 ± 2%	Voc	265 ± 2 g/l
Reference color	White	% solid content by volume	68 ± 2%	Vos	14.4 ± 2%

SPECIFIC WEIGHT

VISCOSITY

TEST METHOD	ISCOL 2	ISCOL 1
DATA	1.65 - 1.75 g/ml	5500 - 6500 mPa.s (20°C) Rod 4 Speed 20

NOTES

Cleaning tools:

At the end of the application, carefully clean the tools (spray guns, painting systems/plants, containers) with a specific thinner suitable for the product. Store all equipment once the drying period is complete.

Sanitary labelling:

Handle the products with care and always consult the material safety data sheets in order to comply with current safety and environmental regulations.

Additional notes:

- The information reported in this technical data sheet is obtained through the exclusive use of Damiani products (paints, hardeners, thinners) applied according to the indicated specifications. The use of products from other companies in mixed coating systems with Damiani products can compromise the performance of the applied coating system. By virtue of this, the company does not guarantee the final result.
- The times related to pot life and drying intervals refer to a standard temperature of 20°C, except when it is expressly indicated.
- The spreading rates are theoretical, indicative and intended per coat as they can be influenced by the color and the application system. Practical application test is suggested.

All the data of the document have been verified and can be considered reliable. The responsibility for the use of the product to be applied remains with the user in compliance with what is indicated in the technical data sheet. Any use of the product that differs from what is indicated in the technical data sheet concerning the parameters of preparation of the product, of the substrate, of drying and applications or that is outside the provisions of the recommended coating systems and of the preparations of suitable surfaces, must be considered attributable to the user and therefore exempts the manufacturer from any and all liability and/or guarantee. The user must in any case check and verify the suitability of the selected products according to the specific, intended use. For any information regarding the coating system, the application conditions and the technical features of the products, it is advisable to contact the technical assistance service of the Damiani laboratory. It should be noted that the packaging image could have a placeholder purpose and could therefore constitute an indicative reference. The packages indicated may vary according to the additions or changes of the annual price lists. This document replaces all previous versions. In any case, to better understand the parameters of the technical data sheet, it is advisable to refer to the annexes of the explanatory notes. The updated version of the following technical data sheet available in the specific section on the website www.color-damiani.com is to be considered the only one binding.

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