BMA FLUO PAINT

Color	Code
Orange	BMA-PHP091
Yellow	BMA-PHP098
Red	BMA-PHP153

+ All the basic colors

+ Different gloss levels (glossy; semi-gloss; 30% gloss; matt)

PROPERTIES

BMA Fluo Paint is a one component, fast air - drying, phosphoric and fluorescent paint. It contains special fluorescent pigments, that provides a reflective finish, that enhances surface visibility in low-light conditions. It is formulated with high weathering, cracking, abrasion & yellowing resistance. BMA Fluo paint can be used on well prepared steel, cementitious & wood surfaces.

RECOMMENDED USES

BMA Fluo Paint can be used for:

- ✓ Prepared steel, ferrous metal surfaces
- ✓ Cementitious surfaces for road marking
- ✓ Wooden surfaces

PERFORMANCE BENEFITS

- ✓ High weathering, cracking & abrasion resistance
- ✓ Good yellowing resistance
- ✓ Good gloss retention
- ✓ Fast drying
- ✓ Fast handling
- ✓ Fluorescent effect / reflective finish

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CHARACTERISTIC PHYSICO-CHEMICAL DATA

*Data corresponding to **BMA Fluo Paint**, BMA-PHP, Glossy*

Tests	Norms	Results
Total solids, by weight	ASTM D2369	58%
Total solids, by volume	ISO 3233	52%
Consistency, @ 25ºC	ASTM D562	20 Poises
Specific Gravity (g/cm^3)	ASTM D1475	0.99
Total Volatile Organic Compound (VOC)	ASTM D3960	420 g/L
Spreading Rate at 35 µm DFT (1)	-	15 m²/L
Recommended WFT (2) at 20% dilution	-	80 µm

1)DFT: Dry Film Thickness

2)WFT: Wet Film Thickness

*Data corresponding to **BMA Fluo Paint**, BMA-PHP, Semi-Gloss*

Tests	Norms	Results
Total solids, by weight	ASTM D2369	55%
Total solids, by volume	ISO 3233	49%
Consistency, @ 25ºC	ASTM D562	20 Poises
Specific Gravity (g/cm^3)	ASTM D1475	0.995
Total Volatile Organic Compound (VOC)	ASTM D3960	440 g/L
Spreading Rate at 35 µm DFT (1)	-	14 m²/L
Recommended WFT (2) at 20% dilution	-	86 µm

1)DFT: Dry Film Thickness

2)WFT: Wet Film Thickness

*Data corresponding to **BMA Fluo Paint**, BMA-PHP, Matt*

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Tests	Norms	Results
Total solids, by weight	ASTM D2369	56%
Total solids, by volume	ISO 3233	48%
Consistency, @ 25ºC	ASTM D562	20 Poises
Specific Gravity (g/cm^3)	ASTM D1475	1.009
Total Volatile Organic Compound (VOC)	ASTM D3960	441 g/L
Spreading Rate at 35 µm DFT (1)	-	13.8 m²/L
Recommended WFT (2) at 20% dilution	-	87 µm

1)DFT: Dry Film Thickness

2)WFT: Wet Film Thickness

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA Fluo Paint, all necessary pretreatment must be done. Surface should be clean, dry and free of all contaminants (oils, agents, dust, dirt, etc.…) in order to avoid the risk of surface failing.

Metal surface

For new steel, clean the surface from any oil or grease residues using a solution (1:10) of Eksen Kimya (1 L of EKSEN KIMYA DL50 dissolved in 10 L of water). Sand the substrate to Sa 2½ until smoothing then remove all sanding dust and let it dry before any primer application.

For painted steel, remove loose and peeling paint using mechanical methods such as sanding and sandblasting of the entire surface until smoothing so the new coating can adhere properly. When the old paint is compatible with the new one, only light sanding is required. Then, remove persistent dirt and sanding residues with a detergent solution.

For non-ferrous metal (galvanized steel, aluminum, stainless steel, iron, etc…), use BMA Wash Primer BMA-WPU in order to etch the substrate, remove any corrosion residues and promote adhesion to the subsequently applied coatings. In case of unweathered surface or when weathering is not possible, apply a sweep or brush blast cleaning using

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a non-metallic abrasive in order to lightly roughen the surface. Let the surface dry before coating application.

Concrete surface

Concrete substrate must be well prepared in order to avoid any coating defects.
For new surface, ensure that concrete is completely cured at least 30 days.
For both fresh and old concrete, decontamination is required to remove any dust, oil, grease, laitance, fatty acids or any additional contaminants. Acid etching is recommended using Eksen Kimya Hydrochloric Acid Solution. Decontamination could be also done using detergent scrubbing, low pressure water cleaning, or steam.
After cleaning, fill and repair any surface irregularities (cracks, holes and pores) with the cementitious mixture.
Cementitious mixture preparation: first, prepare a SBR Solution by mixing BMA SBR with water (1:5 by volume). Then, add the SBR Solution to the cement and sand until reaching the desired cementitious mixture.
Allow concrete substrate to dry then check the moisture and the pH of the substrate. Ensure that the pH is between 6 and 9 since alkalinity can affect and destroy paint adhesion. For the moisture content, make sure that it does not exceed 4% (by weight). Otherwise, the concrete surface is not a good candidate for painting.

Wooden surface

For previously painted wooden surface, remove paint residues using a scraper in order to avoid the flaking of the new coating in case it is not compatible with the old one. Sand and smooth the surface then clean it well and remove the sanding dust. Let the surface dry before any primer or sealer application.

For new wood, sand the surface and all the edges lightly until smoothing. Apply an insulator (PU Milesi) for oily wooden substrate. If the applied coating is a solvent-based system, no thinning is required, if it is a water-based system, thinning of 10-15% is required for faster solvent evaporation. Then, use NC Putty BMA-PUN to close off, patch and fill all surface imperfections (cracks, holes, pores, etc.…). Clean the substrate and let it dry then make sure that the moisture content does not exceed 10%.

When the coating is a clear system, apply BMA Wood Stain BMA-STS then 2 to 3 layers of BMA Sealer. If it is a pigmented system, directly apply 2 to 3 layers of BMA Primer. Sand until smoothing using a sanding paper with a 300-grit size. Clean it well before any coating application.

Priming

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Prime the wooden surface with NC sealer, then it should be sanded and prepared for the application.
Prime steel surfaces with BMA Antirust (BMA-ANY).
Prime concrete surfaces with BMA Undercoat solvent based.

Thinning

If thinning is required, a maximum of 10-15% (for brush/roller application) and a maximum of 25-35% (for air spray application) of BMA Thinner can be used to reach the desired viscosity depending on the application tool.

Application

BMA Fluo Paint should be applied in a well-ventilated area where the relative humidity does not exceed 85% and the temperature is at least 5ºC.
The surface should be clean, dry and free of all contaminants before applying the BMA Fluo Paint using a brush, roller or air spraying system.

Drying Time

Surface (Touch) dry: 15- 30 minutes
Dry to over coat: 2 hours

AVAILABLE PACKAGING

Kilo - US Gallon

SHELF LIFE

BMA Fluo Paint should be stored in tightly closed and undamaged containers where the temperature varies between 5 ºC and 35ºC.
Exposure to direct sunlight and freezing should be avoided.
Under the above-mentioned conditions, the shelf-life BMA Fluo Paint will be 1 year.
After this period, the paint quality is subjected to re-inspection. Proper handling is required to maintain good quality.

HEALTH & SAFETY

Before using this product, please consult our Safety Data Sheet (SDS) for complete information on Hazards Identification, First-Aid and Fire-Fighting Measures, Accidental Release Measures, Handling and Storage, Exposure Control and Personal Protection, Stability and Reactivity, Toxicological Information, and Transport Information.

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QUALITY ASSURANCE

BMA Commercial & Industrial s.a.l is a holder of the ISO 9001:2015 and ISO 45001:2018 certificates, which guarantees that all operations are conducted in compliance with International Standards.

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IMPORTANT: The statements, technical information and recommendations contained herein are believed to be accurate. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, BMA Commercial & Industrial s.a.l expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.

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