

# V-MARK

## V-MARK TRAFFIC WATERBORNE PAINT



### PRODUCT CODE: AM-0305

- Standard conforms to TCVN 8787-2011 and TCVN 8788-2011
- Packing: tank 25 kg
- State: Liquid (glair)



### PRODUCT DESCRIPTION

**V-MARK TRAFFIC WATERBORNE PAINT** is a special paint made from binder, Coloring substance, fillers and solvents used as traffic signal, water, alkali, gasoil and abrasion resistance.

### PRODUCT STANDARD

Standard of **V-MARK TRAFFIC WATERBORNE PAINT** conform to TCVN 8787-2011 about “*traffic signal paint - Line paint line solvent system - Technical requirements and test methods*” TCVN 8788-2011 about “*traffic signal paint - Line paint line solvent system - Technical requirements and test methods*”

### APPLICATION RANGE

**V-MARK TRAFFIC WATERBORNE PAINT** Is used for marking line such as: Airport runways, highways, bridges, wharves, delimiters, parking lots, playgrounds, track races, platforms, etc.

V-MARK JOINT STOCK COMPANY

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## TEHNICAL DATA

No.	Specification	Technical requirements	Test method
1	Color a) White b) Yellow c) Black	$\geq Y 35$ $Y 12 \div Y 14$ $\geq B 64$	TCVN 2102-1993 or AS 1580.601.1 Refer to AS 2700S
2	Stability	$\geq 8$	AS 1580.211.1 (Pigment deposition after 4 weeks in stock) (ASTM D 1309-93)
3	Smoothly	75 ÷ 90 mm	TCVN 2091-1993
4	Viscosity	60 ÷ 80 Kreb (Or the same)	AS 1580.214.1
5	Luminance factor a) White b) Yellow c) Black	$\geq 75 \%$ $\geq 55 \%$ Do not apply	
6	Ability to store glass beads	$\leq 10 \%$ Weight	(% Of glass lost after sweep test)
7	Drying time A) Fast drying paint B) Normal drying paint	$\leq 5$ min $\leq 15$ min	
8	Glossiness	$\leq 20$ Gloss unit	TCVN 2101-1993
9	Bending	$\geq 12$ mm	TCVN 2099-1993 (The minimum shaft diameter that the bending binder does not flatten and break)
10	Adhesion a) Wwhite b) Yellow	$\geq 90 \%$ $\geq 80 \%$	TCVN 2097-1993
11	Anti color matching	$\leq 3 \%$	(Reduced luminous intensity of the film measured on the sample plate and on the strip băng dính trong)
12	Impact resistance	Surface is not exposed through the paint	(Performs 3 free collisions with 2.25 kg of steel)
13	Oil resistance	A) The paint is not peeling or blistering B) The luminance does not decrease by more than 3 units% compared	(1h in oil at $25^{\circ}\text{C} \pm 2^{\circ}\text{C}$ )

		to the original value	
14	Salt resistance	A) The paint is not peeling or blistering B) The luminance does not decrease by more than 3 units% compared to the original value	(18 h soaked in salt at 25°C ± 2°C)
15	Water resistance	A) The paint is not peeling or blistering B) The luminance does not decrease by more than 3 units% compared to the original value	(72 h soaked in water at 25°C ± 2°C)
16	Alkali resistance	A) The paint is not peeling or blistering B) The luminance does not decrease by more than 3 units% compared to the original value	(48 h soaked in Alkali at 25°C ± 2°C)
17	Weather durability a) White b) Yellow  c) Black	a) and b) the paint binder remains the same. Brightness 75 % 55 % c) Do not apply	BS 3900-F4 (500h man artificial atmospheric test)
18	Abrasion	≤ 500 mg	(Weight loss due to abrasion after 100 grinding loops)
<b>Test on site</b>			
1	Abrasion	Area of the remaining line ≥ 90% Abrasion index ≤ 35	(Method use standard image set) (Cross line method)
2	Reflectivity	≥ 50 %	(1h after construction and let Traffic continues)

## MANUAL INSTRUCTION

### 1. Before painting:

- For color (white, red, yellow, black) stir well before painting
- Reflective coating is mixed with reflective (glass beads) at the rate of 0.1 - 0.2 kg reflective / 1 kg of coating



## 2. Painting

- Construction sequence
  - + Clear the surface
  - + Panting the **V-MARK TRAFFIC WATERBORNE PAINT** and leaving it dry for 15 minutes.
  - + Paint the coating (transparent) + reflective and let it dry for 15 minutes
- Clear the surface
  - + Must be cleaned of dirt, grease ..
    - Grease: Wash with organic solvent.
    - Dust: Clean by air blower, or by sweeping.
  - + Make flat surface to be painted
  - + Surface must be dry before painting.
- Construction methods: Roller, brush or spray

## STORAGE

- **V-MARK TRAFFIC WATERBORNE PAINT** Must be stored in a cool, dry place
- The appropriate storage temperature is from 10 to 40°C, preferably between 15 and 30°C
- Containers must be sealed to avoid evaporation of the solvent to affect the paint quality

*\* Note: Avoid direct contact with skin, eyes, use protective equipment, gloves, mask.*

## SAFETY MEASURES

- Keep out of reach of CHILDREN.
- Ensure good ventilation during application and drying-time. Avoid breathing dust-paint.
- Safety goggles should be worn when applying. In case of eye contact, wash with plenty of water and go to medical facility immediately.
- Use a suitable solvent to wipe off sticky paint, then wash with water and soap.
- Be careful when shipping paint. If the paint is poured, collect it by spreading the soil or sand.

**\* WARNING PREVENTION OF FIRE RISK.**



\* DO NOT WASTE PAINTING OR WATER SOURCES