



www.puffinpaint.com

PT. Indowijaya Sakti Teguh

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PUFFIN THERMOPLAST AASTHO 77

A hot melt thermoplastic resin-based traffic paint which provides a retro directive reflective marking for concrete bituminous, bricks, or stone surfaces of highways, bridges, streets, and parking lots.

1. Properties.

COLOR	Limited colour available(white ,yellow,red)
GLOSS LEVEL	Matt (0-35)
FILM THICKNESS, DRY (μm)	1000-200
FILM THICKNESS, WET (μm)	1000-200
THEORETICAL SPREADING RATE (kg/m)	2-4
SOLIDS (VOL %)	100
DENSITY (g/cm^3)	2.3
Softening point 'c	95-125
Cured system	190-200 'c

2. Characteristics

Easy to apply and fast no pick-up time, superior adhesion to properly prepared surfaces excellent weather (ultraviolet light / water) resistance, outstanding retro reflectivity, very good abrasion and crack resistance.

3. Usage

1) Surface Preparation:

Ensure that the surfaces are dry and free from dust, dirt, grease, and oil before painting.

2) New surface application melting:

Lots.100% ensure that bituminous screeds have cured for a minimum of 7 days and concrete substrate has cured for minimum of 28 days application.

3) Do not apply thermoplastic paint

When moisture remains on the surface,

moisture is harmful factor for the adhesion of paint to the surface.

4) Timeout

After 24 hour continuous rain on concrete surfaces after 12 hours on the asphalt surface.

5) Environment temperature:

Thermoplastic paint should not be applied if the air temperature is below the surface temperature of 12.8°C and below 100°C. The construction should not take place if there is less than 7.20C cold wind. If the temperature is not right will affect the adhesion.

6) APPLICATION

Melting:

Place few bags into preheated vessel, fitted with mechanical agitation and temperature control of approximately 190 - 210 °C. When material has been heated to the recommended temperature and thoroughly mixed, it can be transferred to the application equipment then apply with equipment together drop glass bead.

Reflection:

Reflective road marking by dropping glass beads onto the paint film immediately after applied. Use the suitable size gradation and type of glass beads, depending on the requirements of the road marking. Glass beads must be 50 to 60% paint embedded to guarantee a suitable durability and night visibility. The product has a 30% Premix glass beads content

7) Product compatibility:

Depending on the actual exposure of the coating system, various primers and topcoats can be used in combination with this product.

Some examples are shown below.

Previous coat:

Thermoplast primer



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4. Precaution

1) Ensure to clean the surface before application.

2) Health and safety :

Please observe the precautionary notices displayed on the container.

Use under well ventilated conditions. Do not inhale spray mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

3) Storage:

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care. Shelf life at 23 °C : 12Month(s)

5. Packing:

25 kg/bag