

IriRoad™

General Description

This product is a single-pack thermoplastic acrylic based traffic paint. IriRoad™ can especially use on asphalt and cement surfaces for marking and lining of roads, highways and streets under normal environmental conditions. IriRoad™ also has good resistance against erosion and softening and is recommended for painting of cement side/divider blocks of roads and highways.

Product Technical Information

- Solids by volume 55 ±1% (White, Yellow)
54 ±1% (Black)
- Density 1.48 ± 0.1 Kg/Lit (White, Yellow)
1.40 ± 0.1 Kg/Lit (Black)
- Flashpoint >35°C
- Colors/Finish White, Black, Yellow/ Matt
- Mixing ratio single pack
- Suitable Thinner/Cleaner IriThin 77W (Winter) & IriThin 77S (Summer)
IriThin 77W for application in cold weather conditions.
IriThin 77S for application in normal/hot weather conditions.

Drying and recoating times

Temperature	To touch	To handle	To recoat	
			Minimum	Maximum
@ 23°C	15 minutes	24 hours	1 hour	Indefinite
@ 30°C	10 minutes	20 hours	45 minutes	Indefinite

Note: Dry times are dependent on air and surface temperatures as well as film thickness, ventilation, and relative humidity. Maximum recoating time is highly dependent upon actual surface temperatures not simply air temperatures, higher surface temperatures shorten the maximum recoat window.

The surface should be dry and free from contaminants prior to overcoating. The best intercoat adhesion is achieved when the subsequent coat is applied before the preceding coat is fully cured. After prolonged exposure times it may be necessary to roughen the surface to ensure intercoat adhesion. When in doubt, consult your nearest Darya Tamin office

Application

- **Suitable methods**

Air Spray	Airless Spray	Brush/Roller
<ul style="list-style-type: none"> • Nozzle pressure: 4-5 bar • Nozzle size: 1.2-2.2 mm • The volume of thinner: 0-10% 	<ul style="list-style-type: none"> • Nozzle pressure: 120-150 bar • Nozzle size: 0.38-0.53 mm • Spray angle: 40-80 degrees • The volume of thinner: 0-5% 	<ul style="list-style-type: none"> • Suitable for touch-up and small area • The volume of thinner: 0-10%

Drying and recoating times

	Dry film thickness(μm)	Wet film thickness(μm)	Theoretical spreading rate (m ² /l)
Acceptable range	200-300	365-545	2.8-1.8

Surface preparation

Surfaces should be free of oil, grease, salt or other contaminants. Remove all wax, silicone, powdery or scaling rust and then clean the surface by fresh water washing.

- **Asphalt:** The surface should be dry and free from salt, oil, grease, sand dusts and any other impurity and particles. Road surface should be continuing and without crack.
- **Cement:** The surface should be dry and free from salt, oil, grease, sand dusts and any other impurity and particles. The loose sand particles should be removed of the surface before painting. For newly cement surfaces are better to paint after at least 28 days after application (in environment temperatures around 20-30°C). It is recommended the humidity content test of cement be done before painting over such surfaces.
- **Painted surfaces:** Existing systems should be dry and free from old paints, salt, oil, grease (Oil and grease should be removed by solvent cleaning according to SSPC-SP1) and other contaminants. Damaged areas should be repaired first with an appropriate coating system.

Application Condition

The temperature of the substrate should be at least 3°C above the dew point of the air. Temperature and relative humidity should be measured in the vicinity of the substrate. The maximum recommended surface temperature is approx. 40°C and relative humidity during application and curing should not exceed 80%. When applying the paint in confined spaces, provide adequate ventilation during application and drying. The temperature of the mixed paint should be at least 10°C.

Storage, handling and shelf life

Generally, keep the paint containers in dry and cool (5-35 °C) place and away from heat or open flame. Paint containers must be kept tightly closed in the well-ventilated area and Handled with care. This product shelf life @ 23 °C is 12 months.

Environmental, Health & Safety note

Read the material safety data sheet (MSDS) of the product before use and pay attention to safety signs attached to the product can. This product is flammable so keep away from heat and open flame.

Avoid skin and eyes by wearing overall, glove, goggles, and a suitable mask. Spillage on the skin should immediately be removed with a suitable cleanser, soap, and water. Eyes should be well flushed with water, and medical attention sought immediately. Don't discard the product on planets, sea, river and drinking water sources.

Keep out of reach of children

Disclaimer

The information in this document is given to the best of IRIS's knowledge based on professional tests by our experts. However other factors that are affecting the use and application of this product are out of IRIS's Responsibility.

For more information contact with Darya Tamin