

## IriLiv333<sup>TM</sup>

### General Description

This product is a one-component long oil alkyd paint that is filled with non-toxic pigments for good adhesion on steel, brick, wooden, and plaster surfaces. This product has good leveling, adhering and is easy to use. The product is recommended for the painting of inside and outside surfaces of houses and other decorative. IriLiv333<sup>TM</sup> can be used as a matt final coat on alkyd priming systems.

### Product Technical Information

- Solids by volume                      52 ± 1%
- Density                                    1.5 ± 0.05 Kg/Lit
- Flashpoint                                >35°C
- Colors/Finish                            Pure white / Matt
- Mixing ratio                              Single pack
- Suitable Thinner/Cleaner            IriThin11

### Drying & Recoating Times

Temperature	To touch	To handle	To recoat		Hard dry (Minimum)
			Minimum	Maximum	
@ 10°C	2 hours	8 hours	24 hours	Indefinite	4 days
@ 23°C	1 hour	5 hours	16 hours	Indefinite	2 days
@ 30°C	30 minutes	4 hours	12 hours	Indefinite	1 day
@ 40°C	20 minutes	3 hours	8 hours	Indefinite	1 day

**Note:** Drying 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 inter-coat 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 inter-coat 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"> <li>• Nozzle pressure: 3-5 bar</li> <li>• Nozzle size: 1.2-2.0 mm</li> <li>• The volume of thinner: 0-10%</li> </ul>	<ul style="list-style-type: none"> <li>• Nozzle pressure: 120-180 bar</li> <li>• Nozzle size: 0.38-0.53 mm</li> <li>• Spray angle: 60-80 degrees</li> <li>• The volume of thinner: 0-3%</li> </ul>	<ul style="list-style-type: none"> <li>• Suitable. Multiple coats may be required to achieve specified film thickness.</li> <li>• The volume of thinner: 0-10%</li> </ul>

- **Recommended thickness**

	Dry film thickness(μm)	Wet film thickness(μm)	Theoretical spreading rate (m <sup>2</sup> /l)
Acceptable range	40-60	75-115	8.67-13.0
Recommended	50	95	10.4

## Surface Preparation

Surfaces must be clean, dry, and free of dirt, dust, grease, oil, soap, wax, scaling paint, water-soluble materials, and mildew. Remove any peeling or scaling paint and sand these areas to feather edges smooth with adjacent surfaces. Wood substrates must be thoroughly dry. Apply over suitable primer system or clean, intact, prepared existing system.

- **New plaster:** Surfaces must be allowed to cure before applying the base coat. Cured plaster should be hard, have a slight sheen. Remove any powder or loose particles before priming. Plaster or other porous surfaces should be suitably sealed by proper oleoresin sealer before painting.
- **Steel:** Before applying IriLiv333™ use an appropriate primer such as IriCo™.
- **Primed area:** The existing primer should be dry and free from loose paint, salt, grease, and other contaminations prior to overcoating. Apply IriLiv333™ immediately after the quality of preparation has been approved.

## 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 & 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's shelf life @ 23 °C is 24 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.**