

TEMALAC FD95 & FD95(L)

DESCRIPTION

Fast drying single pack urethane alkyd finish.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Designed as a high performance finish for industrial or agricultural machinery, plant and equipment.
- ◆ Excellent flow, gloss and sag resistance.
- ◆ Excellent chemical resistance coupled with superb weather resistance and gloss retention.
- ◆ High build for durability and protection.
- ◆ Easy application using a wide range of conventional primers from the Temaspeed range.
- ◆ EPA compliant as a finish.

TECHNICAL DATA

Volume solids

50 ± 5% (ISO 3233) depending on colour.

Weight solids

62 ± 5% depending on colour.

Viscosity

60 – 70" BSB4 @ 25°C depending on colour.

Specific gravity

0.99 – 1.10 depending on colour.

Product code

2235 series (FD95) and 2245 series (FD95(L)).

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
25 µm	50 µm	20.0 m ² /l
35 µm	70 µm	14.3 m ² /l

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

Drying time

DFT 25 µm		+ 15 °C	+ 23 °C
Dust free		1 – 2 h	40 mins
Hard dry		overnight	2 - 3 h
Overcoating	Min	overnight	overnight
	Max	Indefinite	

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Finish

Full gloss

Colours

Full BS4800 and RAL shades, BS381C, NCS & TVT colours.

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APPLICATION DETAILS

Surface preparation

Steel Substrates

Preliminary cleaning: remove oil and grease with a suitable detergent. Remove salt and other contaminants by fresh water cleaning and allow to dry (ISO 12944-4).

Blast clean to Swedish Standard SIS 05 5900 Sa 2½ or British Standard 7079 equivalent. Surface profile 25 – 50 microns.

If not blast cleaning, pre-treatment improves adhesion and reduces corrosion under the paint film. The type of pre-treatment depends on the requirements for corrosion protection e.g.

1. Zinc phosphate with Cr-VI passivation.
2. Iron phosphate with demineralised water rinsing (insufficient rinsing can lead to the osmotic formation of bubbles).
3. Alkaline or neutral degreasing.
4. Clean steel.
5. Primed with a suitable primer i.e. Temaprime VRP. (Two coats of primer are recommended over a blast cleaned substrate to ensure adequate peak coverage).

Zinc Coated Metals

Remove all oil, grease, flux & debris with suitable detergent. Remove salts by suitable soft abrasion method, rinse with clean water & allow to dry.

Prime with Temaprime MPH457 two component etch primer.

Works primer, Fibreglass and Repaints

Flat surface thoroughly with a suitable grade abrasive paper to provide a key.

DO NOT apply over other etched or aluminium surfaces.

Application conditions

Only apply in conditions of good ventilation which should be maintained during drying. Do not apply when rain, mist, sleet or snow are imminent. During application and drying time of the paint coating, the surface should be dry, the Relative Humidity should not exceed 85% and the steel temperature should remain at least 3°C above the dew point.

Mixing

Mix thoroughly before use.

Application

Suitable for spraying by conventional air spray and HVLP when thinned (9:1 by volume) to 22 – 38 seconds BSB4 @ 25°C (non compliant).

Airless/Hot airless - ready for use as supplied.

Suitable for Hot spray 70 – 80°C, with or without electrostatic, ready for use.

Apply a 'mist' coat followed by a full coat.

For multi-colour applications allow to dry at least overnight before masking, a longer time may be necessary for hot spray applications.

Some colours may thicken on heating and require some thinning. Hot spray gives a higher build and can lead to slower through-hardening.

Consult Protega Coatings if further information is required.

Thinner

1736 Thinner.

Cleaning of equipment

Remove remaining paint from equipment, flush thoroughly with 1736 Thinner until solvent appears uncontaminated.

FLASH POINT

Above 32°C

STORAGE

Store in dry, cool conditions and protect from frost.

HEALTH AND SAFETY

Containers are provided with safety labels, which should be observed.

Further information about hazardous influences and protection are detailed in individual health and safety data sheets.

A health and safety data sheet is available on request from Protega Coatings Ltd.

PRODUCT NOTES

Overcoating: if primers or undercoats are de-nibbed or flatted prior to over-coating, an extended period should be allowed before application of Temalac FD95 to allow the surface to harden again.

Failure to allow this extra time can result in lifting and crazing.

Some colours may contain lead colourant and these are labelled Temalac FD95(L).