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ISF TECHNICAL DATA SHEET

TP5 (Acrylic Epoxy) Promatch



FEATURES

- Epoxy cured, acrylic resin system
- Excellent gloss and colour retention
- Offers high resistance to both weather and chemicals
- Free from Isocyanates

USES	Interior & exterior metal & plastics.
TOPCOAT	TP5 (Acrylic Epoxy) Promatch TP5 (Acrylic Epoxy) Promatch METALLIC TP5 (Acrylic Epoxy) Promatch SPECIAL TP5 (Acrylic Epoxy) Promatch BLACK TP5 (Acrylic Epoxy) Promatch WHITE
TOPCOAT CATALYST	TP5 Catalyst 19237
BASECOAT	TP2 Epoxy Primer WHITE TP2 Epoxy Primer GREY TP2 Epoxy Primer CHARCOAL TP2 Epoxy Primer BLACK
BASECOAT CATALYST	TP2 Catalyst
THINNER FOR SYSTEM	No 150 Two Pack Thinners
CLEANER FOR SUBSTRATE	No 40 Solvent Degreaser
CLEANER FOR EQUIPMENT	ISF Spray Gun & Brush Cleaner
APPLICATION EQUIPMENT	Conventional airless / airmix or HVLP spray equipment.
MIX RATIO	TP5 (Acrylic Epoxy) Promatch - 4:1 TP2 Epoxy Primer - 4:1



GENERAL PREPERATION

Stir & mix the products well prior to use.

Once mixed with Catalyst the viscosity may be adjusted with No 150 Two Pack Thinners by up to 10% volume.

We advise that all surfaces are cleaned well with No 40 Degreaser.

Apply a light coat of TP2 Primer, allow to dry, de-nib. Apply a further coat of TP2 Primer as necessary.

Allow to dry overnight

After a further de-nib, Tak cloth, apply a full even coat of the TP5 Topcoat.

PLASTIC APPLICATION

We have tested multiple types of plastics to ensure the correct systems are recommended.

Primarily used over Acrylic, ABS, Polycarbonate & Fibreglass.

Adhesion may give better performance by applying TP5 Topcoat directly to the substrate.

METAL APPLICATION

We have tested multiple types of metals to ensure the correct systems are recommended.

Primarily used over Ferrous metals for superior weather resistance.

TP5 Topcoat will adhere direct to most Non-Ferrous metals without the need of an Adhesion Promoter such as Aluminium, Brass, & Copper, Clean surfaces with No 40 Degreaser and were possible abrade.

Always check adhesion as batch substrates may vary.

Galvanised or Zinc coated metals will require pre-treatment with Mordant solution.

POWDER COATING APPLICATION

TP5 Topcoat will also key direct to Powder Coated substrates without the need of an Adhesion Promoter.

Preparation: Sand well with 240 grit and degrease to enable adhesion.

RECOAT INFORMATION

Should there be any requirements to apply a secondary TP5 Topcoat we would recommend that this is processed following either the initial Flash off period of the First TP5 Topcoat or left Overnight, 24 hours would be advised.

SYSTEM GUIDANCE

Exterior System:

Please ensure that the total system film thickness (DFT) exceeds 150 microns (3 coats). Always lightly sand between coats to assist adhesion.

Life expectancy of a 3-coat system (x2 TP2 Primer / x1 TP5 Promatch) would be approx. 7-8 years in a Non-Coastal environment.

Heat resistance:

To ensure the life span we advise that the system is not subjected to either wet or dry heat above 100°C.

FURTHER INFORMATION

We would always advise discussing all projects with your local ISF Sales representative or contact ISF Technical for clarification on the best system to suit your requirements.

CLEANING & MAINTENANCE

Clean regularly with a soft dry cloth. When needed wipe with a moist cloth. Neutral cleaning detergents or household cleaners with low amounts of alcohol or waxes can also be used.

To meet the guidance of the drying times stated below the operation Temperatures of both the environment and product will need to be within 18°C - 20°C.

Lower or higher Temperatures of either the environment or product will have an impact on the stated drying times. Please speak with the Technical Team on how to manage any adverse changes.

Storage Temperatures should be maintained above 5°C.

Coverage	Touch Dry	Recoat Time	Max Resistance	Pot Life	Mix Ratio	Shelf Life	Pack Size
8-10 Sq.m/ltr	20 mins	24 hours	7 Days	24 hours	4:1	12 months	1, 5 & 25lt

HARDNESS



ENVIRONMENTALLY FRIENDLY



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