



PROTECTIVE

PAINTS

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770- DUO PACK ENAMEL

BASE : 770- HARDENER : 771-086

PRODUCT DESCRIPTION AND USES

A high performance two pack polyurethane with outstanding durability giving an ultimate finish with maximum gloss and colour retention. Duo Pack Enamel will not yellow on exterior exposure. Duo Pack Enamel should be applied over epoxy or polyurethane primers and undercoats. The most commonly used primer is 1.58 Epoxy Primer/Undercoat but other two pack primers may be suitable. (Consult with the manufacturer for recommendations).

PHYSICAL PROPERTIES

Colour/Texture	White and Black ex stock, but other custom tints can be made to order
Volume Solids	Mixed - 50% (White)
Product Density	Approximately 1.35kg/litre
Mixing Ratio	1 part Base to 1 part NY Hardener by volume
Potlife	Approximately 8-10 hours
Drying Time	Touch Dry: Approximately 2-3 hours Hard Dry: Overnight (Product will continue to harden for 4-7 days)
Recoat Time	24 hours depending on weather conditions
Flash point	1°C

SURFACE PREPARATION

Ensure surface/substrate to be finished is above 10°C before application. Ensure substrate primed or undercoated with a recommended product i.e. Duo Pack Primer Surfacer. Also ensure that the primer coats are fully cured before the finish coats are applied.

APPLICATION DATA

The recommended application is by either airless or conventional spray. Roller or brushing application may yield films of poor appearance and inconsistent film thickness.

Recommended D.F.T	30 microns
Recommended W.F.T	60 microns
Theoretical Spreading Rate	16m ² /litre (spraying)
Thinners	Spraying: 09.04 (approximately 20%) Brushing: 09.03

NB: All dry times are quoted at ambient conditions. Because this product is a two pack, cross linking between the base and the hardener will continue for approximately one week before full cure is achieved. All surfaces must be thoroughly dry, and all spraying equipment must be moisture free. NY Hardener is extremely sensitive to moisture, and should ideally be used within a short period after opening.

If applying successive coats it is recommended to recoat as soon as practicably possible. Should the Duo Pack Enamel be left to cure in excess of 48 hours, the entire surface will need to be sanded to afford a "key", otherwise delamination may occur. Excessive film build will cause bubbling. Moisture, dampness or extreme cold will result in a dull finish. Ensure that the surface to be coated is above 10°C before application.

HEALTH AND SAFETY

Irritant Avoid contact with skin and eyes. Avoid breathing vapour or sanding dust. When using this product it is recommended that full overalls, gloves, face mask and goggles be worn. Store container in a safe place when not in use. Do not burn container.

FIRST AID

EYES Flush with water for at least 15 minutes and seek medical advice.
SKIN Wash contact areas with soap and water. Remove all contaminated clothing, and seek medical advice. Do not scrub.
INHALATION Remove patient from further exposure, and keep patient warm and comfortable.
INGESTION Do not induce vomiting. Rinse mouth with water. Seek medical advice as soon as possible.

TRANSPORTATION AND DISPOSAL

Class 3
Hazchem Code •3YE (3); •3Y
UN No 1263
Packing Group No II
Fire Extinguishing Media CO₂, Foam, Dry Chemical
Fire Fighting Procedure Fire fighters should wear self contained breathing apparatus. Fight fire from a protected location as product may explode on heating. The vapours are heavier than air, so may travel along the ground to accumulate in low areas. Fire may flash back along vapour trail, and can also react with oxidising agents.
Spills should be cleaned up immediately by using sand or other non-flammable absorbent materials. Ensure material does not enter waterways.
Dispose of empty containers in accordance with local by laws.

OTHER INFORMATION

This product may be used for a wide variety of surfaces. If the surface you propose to paint is not referred to, contact Protective Paints Technical Department for classification.

For further technical information please phone 0800 724 684.

RELIABILITY OF INFORMATION

All statements and technical information contained herein are based on tests we believe to be reliable but the accuracy thereof is not guaranteed. Since Protective Paints Ltd has no control over product application, purchasers and users must confirm the suitability of our products under their conditions to meet their own requirements.

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