



TECHNICAL DATA SHEET

POLYURETHANE Aliphatic Polyurethane

Etepox Solution Ref. ESSB 15/10

Product Description

POLYURETHANE is aliphatic polyurethane finish coating. It is most recommended for external steel structures under severe corrosive environment, it has incorporated with premium grade weather resistance pigments for maximum weathering protection.

Typical Uses

POLYURETHANE is widely recommended for area, such as:

1. Industrial facilities bridges, tank exterior
2. Marine weathering, offshore, oil tank, piping, roof and floor
3. Chemical plant, port facilities

Physical Data			
1. Generic	Aliphatic polyurethane	11. Dry film Thickness	30 - 50 micron
2. Component	2	12. Specific gravity	Approx. 1.12kg/litre
3. Curing Mechanism	Solvent release and chemical reaction between components	13. Theoretical coverage	Approx. 9.60sq.m./litre @ 50 micron
4. Finish	High Gloss	14. Drying time	At 30°C Touch dry - 30 hours Hard dry - 8 hours
5. Application	Airless or Conventional Spray, Brush or Roller	15. Pot life	4 hours after mixing at 25°C - 30°C
6. Colors	Paynt standard colors	16. Coats	1 or 2
7. Flash point	Part A - 22°C Part B - 30°C	17. Overcoating Interval	At 21°C Minimum - 8 hours Maximum - unlimited
8. Volume solid	48%	18. Thinner/cleaner	Washing Thinner
9. Mixing ratio	4 part resin (Part A) to 1 part cure (Part B) resin and hardener to be mixed thoroughly prior to application	19. Shelf life	1 year from shipping date when stored indoor at 5°C to 38°C
10. Wet Film Thickness	70 - 100 micron		

* Use the above recommendations only as a guide. Variations in the number of coats and/or dry film thickness may be necessary, depending upon service requirements. Such variations will alter the spreading rate and may influence the drying time and recoating interval.

Surface Preparation

Prior application of **POLYURETHANE**. Coating performance, in general is proportional to the degree of surface preparation. Refer to general coating specification for specific primers and intermediate coats being used for application and curing procedures. All previous coats must be clean and dry. Aged or existing epoxy coatings must be roughened before applying **POLYURETHANE**

Storage

The product must be kept in a cool, dry and well ventilated place.

Health and Safety

See Health and Safety section in Data Manual. Note should also be taken of all relevant legislation ruling in individual countries. Consult manufacturer's material safety data sheet (MSDS).

Safety Precautions

Before use: Read instructions for use and precautionary labels on container.

During use: Avoid contact with skin. Insure good ventilation during use and avoid inhalation of spray mist and fumes. Wear suitable respiratory or face mask. Wear suitable eye protection. Avoid ingestion of paint.

Storage: Store away from heat and sources of ignition. Avoid prolonged exposure to vapors.

Disposal: Follow local and national regulations.

Spillage: Remove all sources of ignition. Avoid prolonged exposure to vapors. Clean up with absorbent materials. Ventilate area. Do not wash into drains.

Emergency Treatment

Eyes: Flush immediately with water. Seek medical advice.

Skin: Remove contaminated clothing. Use a proprietary skin cleanser. Wash well with soap and water.

Fire: Fight fire with foam or dry powder.

Inhalation: Remove into fresh air. Loosen collar and avoid excessive exertion.

Ingestion: Seek immediate medical advice. **DO NOT** induce vomiting.