

TECHNICAL DATA SHEET

DUROTACK SP-500

Fast Drying Sprayable Synthetic Rubber Adhesive

1. Product Overview

DUROTACK SP-500 is a fast setting, spray-grade synthetic rubber contact adhesive with a yellowish-brown appearance. It is developed for rapid bonding operations requiring quick tack, flexibility, and high productivity. The adhesive forms a strong yet elastic bond suitable for upholstery and industrial assembly applications.

2. Product Advantages

- Quick drying for faster cycle time
- Immediate tack build-up
- Excellent spray characteristics
- Uniform adhesive film formation
- Low material absorption on foam
- Mild odour during application
- Economical usage with high coverage
- Suitable for continuous production processes

3. End Use Applications

- Upholstery and furniture manufacturing
- Chairs, sofas, mattresses and seating systems
- Automotive interior trim fixing
- Bonding of PU foam in cushions and panels
- Luggage, bags and interior linings
- General industrial bonding where fast handling is required

4. Bondable Substrates

- PU foam
- Wood and plywood
- Fabric and non-woven materials
- Rexine and artificial leather
- Painted metal surfaces

5. Typical Technical Data

Appearance: Yellowish brown, low viscosity liquid

Viscosity @ 30 °C: 100 – 200 cPs

Density @ 30 °C: 0.80– 0.85 g/ml

Tack / Open Time: Up to 10 minutes

6. Application Procedure

Surfaces must be dry, clean and free from dust, oil, grease or loose particles.

Application Method:

1. Mix the adhesive thoroughly before use.
 2. Spray a thin, even coat on both surfaces using an air-assisted spray gun with 1.6–2.0 mm nozzle.
 3. Recommended air pressure: 4–5 bar.
 4. Allow solvent flash-off.
 5. Assemble both surfaces and apply uniform pressure.
- Maximum strength is achieved in 24-48 hours.

7. Coverage

Coverage depends on surface porosity and application technique. On smooth, non-porous surfaces, coverage of approximately 6 m² per litre (single side) may be achieved under ideal conditions.

8. Packaging

1L, 4.5L, 25L & 30L Drums

9. Storage & Shelf Life

Store in a cool, dry and well-ventilated area away from heat and direct sunlight.

Shelf life is 12 months when stored in original sealed containers between 2 °C and 30 °C.

CIN: U33125DL1996PLC082482

10. Safety Information

Use appropriate personal protective equipment (PPE). Avoid contact with skin and eyes. Ensure adequate ventilation during application. Avoid inhalation of vapours or spray mist.

11. Disclaimer

The information provided in this document is based on laboratory evaluation and practical experience and is intended as a general guide only. Users should conduct their own trials to confirm suitability. No warranty, expressed or implied, is provided.