

Technical Data Sheet

Product: Epoxy Thinner

1. Product Description

Epoxy Thinner is a high-grade, fast-evaporating solvent blend formulated to reduce the viscosity of Solvent based two-component epoxy systems and improve application performance. It enhances flow, promotes even film formation, and assists with equipment cleaning. Suitable for industrial, marine, automotive, and flooring epoxy systems where reliable solvent power and controlled evaporation are required.

2. Recommended Use

- Thinning epoxy primers, sealers, and topcoats
- Improving flow and levelling during application
- Cleaning epoxy contamination from tools and spray equipment
- Surface wipe-down prior to coating
- Suitable for brush, roller, or spray epoxy systems

3. Key Features and Benefits

- Powerful solvency for epoxy systems
- Assists levelling and reduces roller/spray marks
- Promotes uniform film build
- Fast evaporation rate aids drying and recoating
- Enhances substrate wetting
- Effective equipment cleaner
- Designed specifically for two-component epoxy systems

4. Safety and Handling

Read all labels before use. Follow normal solvent-handling precautions.

Refer to the Safety Data Sheet (SDS) for guidance on:

- Personal protective equipment (PPE)
- Ventilation requirements
- Spill response
- Storage and disposal instructions

Highly flammable—keep away from ignition sources.

5. Product Information

Base Solvent Blend: Xylene, Isobutanol, MIBK

Appearance: Clear, water-like liquid

Odour: Strong solvent odour

Flash Point: >25 °C

Boiling Range: Approx 107–144 °C

Specific Gravity: 0.85–1

Volatile Content: 100%

Thinning Ratio: As specified by epoxy system manufacturer

Cleaning: Suitable for cleaning uncured epoxy from tools and equipment

Mixing: Add incrementally while stirring the epoxy resin mixture

6. Surface Preparation

For use as a thinner, follow the epoxy coating manufacturer's preparation instructions.

When used for solvent wipe or cleaning:

- Ensure surfaces are clean, dry, and free of oil and contaminants
- Wipe with clean, lint-free cloths to avoid residue
- Allow solvent to fully evaporate before coating

7. Application Details

Epoxy Thinner can be used with:

- Brush and roller-applied epoxy systems
- Conventional and airless spray equipment
- Cleaning of lines, guns, pots, rollers, and brushes

Guidance:

- Add only the minimum amount required to achieve proper flow

- Excessive thinning may affect cure rate, gloss, hardness, and film build
- Do not thin beyond the coating manufacturer's recommendation

8. Application Conditions

- Ensure adequate ventilation during use
- Do not apply epoxy coatings when temperature is below 10 °C
- Avoid high humidity and poor airflow
- Keep containers closed when not in use
- Keep away from sparks, flames, and static discharge

9. Drying and Recoating

Drying characteristics depend on the epoxy system, film thickness, and environmental conditions.

Typical solvent contribution to drying:

- Faster tack-free time
- Faster recoat when used in correct ratios

Consult coating manufacturer for specific drying and recoating intervals.

10. Performance Summary

- Excellent solvency for epoxy systems
- Improves flow, levelling, and application quality
- Promotes uniform film formation
- Effective for equipment cleaning
- Fast-evaporating for quick turnaround

Limitations:

- Over-thinning may reduce coating durability
- Not suitable as a general-purpose paint thinner
- Do not use in confined spaces without forced ventilation

11. Storage and Shelf Life

Store in tightly sealed containers.

- Keep in a cool, dry, well-ventilated area
- Keep away from heat, sparks, and open flames
- Avoid long-term direct sunlight exposure

Shelf Life: 24 months when properly stored.

12. Environmental Information

- Fully solvent-based; avoid release to drains or waterways
- Dispose of waste solvent and empty containers in accordance with local regulations
- Do not pour unused product into sewer systems

13. Disclaimer

The information in this Technical Data Sheet is based on current knowledge and experience. No warranty is expressed or implied regarding performance in specific applications. Users must confirm suitability for their intended use.