UNIVERSAL THINNERS

Industrial Paint Thinner • Technical Data Sheet

Polybond Universal Thinners is an industrial paint thinner and solvent for Polybond coatings. The Safety Data Sheet (Rev 2.5, 27 June 2026) identifies the product as xylene (CAS 1330-20-7). It is for industrial use only — not for domestic or non-industrial applications. On stoving products it is the slow grade; Standard Thinners is the fast grade. Always follow the thinning rate on the coating being used.

KEY BENEFITS

- Industrial thinner and equipment cleaner for Polybond solvent coatings
- Slow thinner for stoving enamel and stoving primer
- Xylene (100% w/w) — flash point 27°C closed cup
- UN 1307, Class 3, Packing Group III
- Industrial use only

Recommended Use

Thinning and clean-up of compatible Polybond industrial coatings • Stoving systems where a slow thinner is specified • Not a substitute for Speed Thinners, No. 1, No. 2, No. 3 or Tennis Court Thinners

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POLYBOND LIMITED

Specialist Coatings • Custom Made Colour Powder Coatings & Wet Paints

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Application

Use only the addition stated on the coating technical guide. Typical published rates: conventional spray about 10% on synthetic enamel and polyurethane undercoat; 10–15% on QAD gloss, hammer and matt; 20–50% on single-pack etch primer and stoving primer. Stoving enamel: about 30% to 30–50 seconds B4 Ford Cup at 20°C for spray, or about 40 seconds for dipping. MDF sealer may be thinned and guns washed with Universal Thinners.

Also used to wipe equipment and, on some primers, as a degreasing wipe. Those guides still state that vapour degreasing is more effective. Do not thin a product that specifies another thinner.

Important – Flammable, industrial use only

H226 flammable liquid and vapour (flash point 27°C). Keep away from heat, sparks, open flames and static. Vapour is heavier than air and may travel along the ground — distant ignition is possible. Not for domestic use. Contains xylene.

Surface Preparation & Priming

Ground and bond containers and receiving equipment. Keep the container tightly closed. Store in a dry, ventilated area away from oxidising agents. Reseal opened packs. Do not eat, drink or smoke when using. Provide eyewash and a safety shower.

Handling

Method	Guidance
Thinning	Add only the percentage on the coating TDS. Check spray viscosity (B4 cup) where specified.
Clean-up	Uncured residues and spray equipment. Do not flush spills to drain.
Spills	No ignition sources. >300 L: vacuum to a salvage tank. <300 L: sealable container or non-flammable absorbent (not sawdust). Do not wash to drain.
Fire	CO■, dry chemical, powder, water fog or foam. Not water jets. SCBA and full protective clothing.

Transport and waste

UN 1307 XYLENES, Class 3, PG III (ADR/RID, IMDG, IATA). EmS F-E, S-E; ADR hazard ID 30, tunnel (D/E). Waste EWC 08 01 11* via a licensed contractor.

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Technical Properties

Property		Property	
Composition	Xylene, 100% w/w (CAS 1330-20-7, EC 215-535-7)	**Appearance**	Translucent liquid, aromatic odour
Boiling point	139.1°C	**Melting point**	–47.8°C
Flash point	27°C (closed cup)	**Auto-ignition**	527°C
Explosion limits	1.1–7%	**Density**	0.864 g/cm³ at STP (SDS: 25°C, 1 atm)
Viscosity	0.581 mPa at 25°C	**Surface tension**	28.47 mN/m at 25°C
Water solubility	146,175 mg/l at 25°C (as SDS)	**Classification**	Flam. Liq. 3; Acute Tox. 4 (skin and inhalation); Skin Irrit. 2
WEL (xylene)	EH40: 50 ppm / 220 mg/m³ TWA; 100 ppm / 441 mg/m³ STEL	**SDS**	Rev 2.5, 27 June 2026 — this guide does not replace the SDS

Health, Safety & Environmental Information

Signal word: Danger. H226 flammable liquid and vapour. H312 harmful in contact with skin. H315 causes skin irritation. H332 harmful if inhaled.

- P210 no smoking or ignition sources. P233 keep closed. P240 ground/bond. P261 do not breathe vapour or spray. P280 wear gloves, protective clothing and eye/face protection. Butyl rubber gloves ≥0.5 mm, splash goggles, overalls, chemical respirator and chemically resistant shoes. Prefer local exhaust so EH40 limits are not exceeded.
- If swallowed: call a doctor immediately. Do not induce vomiting. If inhaled: fresh air; give artificial respiration if breathing has stopped and seek medical attention. Skin or eyes: flush with water for at least 15 minutes and get medical help if irritation, pain or blisters occur.
- Keep out of drains and surface water. This sheet does not replace the current SDS or a workplace COSHH assessment.

TECHNICAL SUPPORT & FURTHER INFORMATION

For technical advice, product recommendations, colour matching or Safety Data Sheets, please contact our Technical Department.

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This guide supersedes all previous versions. Information is given in good faith but without warranty. Users should satisfy themselves as to the suitability of the product for their intended application. Always follow current best practice, relevant standards and local regulations. SDS Rev 2.5, 27 June 2026.