



POLYVINE LIMITED
TECHNICAL INFORMATION

POLYTEN

Water Resistant high speed PVA Adhesive

Introduction.

Polyten/ Extrarez is a single part, fast setting, cross-linking PVA adhesive.

Uses

Polyten/ Extrarez is a wood adhesive designed for high-speed assembly work, doweling, finger jointing, door assembly, veneering with wood or high-pressure laminates.

Features

Water resistant to D3 standard (BS EN 204)

Develops high bond strength.

Dries to transparent film.

Non flammable.

Suitable for Hot and Cold press.

Extended Storage Life.

Suitable for RF equipment.

Suitable for bonding wood, chipboard, block board, veneers decorative laminates and other similar substrates.

Surfaces

The surfaces to be bonded must be close fitting and free from dirt, grease or any other contamination that may interfere with the adhesion.

Moisture content of timber should be 5 to 15 %

Coverage

Normal adhesive coverage is estimated to be 5 to 7 square meters per kilo. The correct spread is indicated by a slight squeeze out on the glue line edge.

The lowest spreads will give the fastest setting time.

Assembly and Pressing

Assembly should be carried out as soon as possible within the open time (approx. 5 minutes dependent on temperature and humidity). Pressing should be carried out after assembly whilst adhesive is still wet. A press time of 15 to 25 minutes is recommended at 20°C. In heated press the minimum process time can be reduced to 3 to 5 minutes at 70% Pressure should be 30 to 100 PSI.

Storage and use

Protect from Frost, store at above 7°C. Stored in well-sealed containers under good conditions.

Remove any skin from the surface and stir well before use.

Clean Down with warm water, with a little detergent added is recommended.

Care should be taken to avoid drying out on equipment as water resistance makes cleaning difficult.

Fire Risk

Polyten/ Extrarez does not present any fire or explosive risk or contributes to a fire caused by other materials.

Toxicity

Polyten/ Extrarez is non-toxic but should not be ingested.

In case of swallowing significant quantities give large quantities of water to drink and seek medical advice.

Personal Hygiene

Polyten/ Extrarez is relatively harmless but it is a reactive chemical system and excessive contact with the skin should be avoided. Rubber gloves should be worn and a barrier cream is recommended.

Wash with warm soapy water, preferably before the adhesive dries is advised.

First Aid Requirements

In the event of contact with the eyes, irrigate with clean water for at least 20 minutes.

If eye irritation continues seek medical advice.

The wearing of safety spectacles or goggles is strongly advised.

Disposal of spillage/ waste

A minor spillage can be removed with a damp cloth. Where large spillage's occur, the material can be washed away with plenty of water providing the Local Water Authority, as empowered by the Control of Pollution Act, permits the discharge into drains and waterways concerned. Alternatively, spillages may be soaked up into an inert absorbent material that can then be placed in a suitable container for disposal, in accordance with the requirements of the Local Authority responsible for industrial waste. Note: Wet adhesive on the floor produces a slippery and hazardous surface.

A full material safety data sheet is available from:

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Burma Road
Sharpness
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SAFETY DATA SHEET

Polyten/Extrarez

Issued: 19/10/2006 Revision No: 1

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: Polyten/Extrarez

Company name

Polyvine Ltd Severn Distribution Park Burma Road Sharpness Berkeley GL13 9UQ Telephone 0870 787 3710 Fax 0870 787 3709

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT NAME:	EINECS	CAS No.:	CONTENT	SYMBOL	RISK:
Contains no dangerous substances according to 67/548/EEC			NC		Not classified.

The full text for all R-phrases are shown in section 16

COMPOSITION COMMENTS:

PVA based adhesive

3. HAZARDS IDENTIFICATION

Irritating to eyes and skin. May cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water.

Inhalation: Consult a doctor.

5. FIRE-FIGHTING MEASURES

This material is not combustible.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details.

Environmental precautions: Do not discharge into drains or rivers.

Clean-up procedures: Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

Handling requirements: Use mechanical ventilation in case of handling, which causes formation of vapours.

Storage conditions: Store in cool, well-ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection:

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: White

Odour: Characteristic odour

Solubility in water: Yes

Melting point/range°C: N/A

Flash point°C: N/A

Autoflammability°C:N/A

pH: 6-7

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat.

Materials to avoid: Strong oxidising agents. Strong acids.

Haz. decomp. products: In combustion emits fumes.

11. TOXICOLOGICAL INFORMATION

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION ADR / RID

UN no: Shipping name: Not classified as dangerous in the meaning of transport regulations.

IMDG / IMO UN no: IATA / ICAO UN no:

15. REGULATORY INFORMATION

Hazard symbols: No significant hazard. **Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions, which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Legal disclaimer: The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.