



Premierbond 2PT • White

Part A contained in a bucket • Part B contained in a sealed sachet • 6.5kg

- Internal & external use

Technical data sheet



Description

Premierbond 2PT is a two-component polyurethane adhesive. The formulation has been designed to give ease of mixing for notched scraper applications. This filled adhesive has been formulated for the bonding of U-PVC and GRP sheets to most building substrates, including brickwork, plaster, concrete, tiles, block-work etc.

Features and benefits

- Shelf life: 6 months
- Curing time: 4-6 hours (Initial cure: 20 minutes)
- Full sheet coverage
- Less chance of bubbling
- Doesn't need moisture/temp to cure
- Tough, long lasting resilient bond

Directions of use

Premierbond 2PT is supplied as a 6.5 kg pack. The mix ratio is 12:1 by weight. Part A is contained in a bucket and part B in a sealed sachet, inside the bucket. Once mixed the pot life is 20 minutes at 20°C (Longer at lower temperatures) and so substrate preparation should be complete before mixing.

Add all of the part B to the part A and stir until a uniform colour is achieved ensuring that the sides are scraped down often during mixing. Mixing is best carried out using a 60mm paddle mixer on a drill. When mixed, apply the adhesive to one surface only.

Apply to sheet with a 6mm notched trowel and apply immediately to the substrate smoothing outwards from the centre. Flat plastered walls can have 4-5mm. Leave to cure for at least 4 to 6 hours before removing the protective film.

Additional information

Base	Polyurethane
Coverage Based on: 2440 x 1220mm	1 x 6.5kg kit for (1 to 2 sheets cover - age)
Based on:	Part A: Paste approx 3850 poise Part B: Low viscosity liquid
2440 x 1220mm	Part A: 1.70 – 1.73 Part B: 1.21 – 1.23
Chemical resistance	Resistant to water, dilute acids and alkalis and aliphatic oils.
Solvents	None
Flammability	N/A
Service temp.	-40°C to +130°C
Application temp.	Minimum +10°C ideally above 15°C Maximum +30°C ideally below 25°C
Storage life at 25°C	6 months in unopened containers. Store between 5°C and 25°C.





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Limitations

Premierbond 2PT will not bond to polyolefin plastics, e.g. polypropylene.

Coverage for 2440 x 1220mm sheet

1 x 6.5kg kit for (1 to 2 sheets coverage)

Health and safety

May produce an allergic reaction.
Keep out of the reach of children.

Surface preparations and finishing

Surfaces must be clean, dry and free from any contaminants liable to impair adhesion. New build structures should be allowed to dry out for at least 6 weeks prior to application of Premierbond 2PT and should then have a moisture content on the surface and in the core of less than 14%. Very porous or dusty substrates may be sealed with a dilution of PVA. Ensure that the PVA is completely dried out.

All materials should be allowed to acclimatise for at least 24 hours before bonding. The sheet, air temperature, adhesive, and substrate should all be close to the final operational temperature of the building prior to application to avoid thermal stresses from expansion of the plastic sheeting.

Cleaning

Tools to be cleaned after use with water.

Disclaimer

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Safety data sheet - PART A

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name: Premierbond 2PT

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: Component for polyurethane systems.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: This product has no classification under CLP.

2.2. Label elements

This product has no label elements.

2.3. Other hazards

Results of PBT assessment:

PBT: This product is not identified as a PBT/vPvB substance.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Contains: Hydroxylated polyols and non-reactive additives. Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels.

SECTION 4: First aid measures

4.1. Description of first aid measures

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.

4.2. Most important symptoms and effects, both acute and delayed

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: No symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

No further relevant information available.





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Safety data sheet - PART A

SECTION 5: Fire fighting measures

- 5.1. Extinguishing media**
Suitable extinguishing agents:
for the surrounding fire should be used. Use water spray to cool containers.
- 5.2. Special hazards arising from the substance or mixture**
Exposure hazards: In combustion emits toxic fumes.
- 5.3. Advice for fire fighters**
Protective equipment: Wear self-contained breathing apparatus.
Wear protective clothing to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

- 6.1. Personal precautions:** Refer to section 8 of SDS for personal protection details.
Turn leaking containers leak-side up to prevent the escape of liquid.
- 6.2. Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bounding.
- 6.3. Methods and material for containment and cleaning up:**
Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.
- 6.4. Reference to other sections**
Refer to section 8 of SDS.

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling**
Handling Requirements
Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.
Protect against moisture.
- 7.2. Conditions for safe storage, including any incompatibilities**
Storage conditions: Keep container tightly closed. Recommended storage temperature: 15-25°C.
Protect from frost/do not freeze. Avoid contact with water or humidity.
Suitable packaging: Must only be kept in original packaging.
- 7.3. Specific end use(s):**
No further relevant information available.





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Safety data sheet - PART A

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL / PNEC: No data available.

8.2. Exposure controls

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

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

Skin protection: Protective clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State:	Liquid
Colour:	Beige
Odour:	Perceptible odour
Evaporation rate:	Negligible
Oxidising:	No data available.
Solubility in water:	Insoluble
Viscosity:	Highly viscous
Boiling point/range°C:	>195
Flammability limits %: lower:	No data available.
Flash point°C:	>185
Autoflammability°C:	No data available.
Relative density:	1.72
VOC g/l:	No data available.
Melting point/range°C:	No data available.
upper:	No data available.
Part.coeff. n-octanol/water:	No data available.
Vapour pressure:	3 hPa @ 20 Deg
pH:	No data available.

9.2. Other information

No further relevant information available.





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Safety data sheet - PART A

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended transport or storage conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Heat, moist air & humidity

10.5. Incompatible materials / materials to avoid:

Strong oxidising agents & strong acids.

10.6. Hazardous decomposition products

In combustion emits toxic fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects:

No data available.

Symptoms / routes of exposure:

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:

No symptoms.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability: No data available.

12.3. Bioaccumulative potential: No data available.

12.4. Mobility in soil: Insoluble in water.

12.5. Results of PBT and vPvB assessment:

PBT: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects: Negligible ecotoxicity.





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Safety data sheet - PART A

SECTION 13: Disposal considerations

13.1. Waste treatment methods:

NB:

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

SECTION 14: Transport information

Transport class: This product does not require a classification for transport.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Not applicable.

15.2. Chemical safety assessment:

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16: Other information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No2015/830.

* indicates text in the SDS which has changed since the last revision.

Depending on the production parameters, any uncovered surfaces of thermoset

moldings produced using this raw material may contain traces of substances (e.g.

starting and reaction products, catalysts, release agents) with hazardous characteristics.

Skin contact with traces of these substances must be avoided. When demolding or otherwise

handling freshly molded thermoset parts, protective textile gloves must be worn as a minimum.

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.





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Safety data sheet - PART B

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name: Premierbond 2PT

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance/mixture: PC1: Adhesives, sealants.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Irrit. 2: H319; Acute Tox. 4: H332; Carc. 2: H351; Resp. Sens. 1: H334; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT RE 2: H373; STOT SE 3: H335; -: EUH204

Most important adverse effects: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. Contains isocyanates. May produce an allergic reaction.

2.2. Label elements:

Hazard statements:

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335: May cause respiratory irritation.
H351: Suspected of causing cancer.
H373: May cause damage to organs through prolonged or repeated exposure.
EUH204: Contains isocyanates. May produce an allergic reaction.

Hazard pictograms:

GHS07: Exclamation mark
GHS08: Health hazard



Signal words:

Danger

Precautionary statements:

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+352: IF ON SKIN: Wash with plenty of water/soap.
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.





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Safety data sheet - PART B

2.3. Other hazards

Other hazards: Danger of serious damage to health by prolonged exposure.

PBT: This product is not identified as a PBT/vPvB substance.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

DIPHENYLMETHANE DISOCYANATE (ISOMERS AND HOMOLOGUES) - REACH registered number(s): EXEMPT - REACH POLYMER

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	9016-87-9	-	Carc. 2: H351; Acute Tox. 4: H332; STOT RE 2: H373; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317	>90%

SECTION 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

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

Ingestion: Wash out mouth with water. Do not induce vomiting. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact. An itchy rash may occur at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing. Harmful by inhalation.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.





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SECTION 5: Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire fighters

Wear self-contained breathing apparatus.

Wear protective clothing to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions:

Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up:

Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Refer to section 8 of SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.

Do not handle in a confined space. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed. Recommended storage temperature: 15-25°C.

Protect from frost/do not freeze. Avoid contact with water or humidity.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s):

No further relevant information available.





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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

Workplace exposure limits:			Respirable dust	
State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	0.02 mg/m ³	0.07 mg/m ³	-	-

DNEL / PNEC: No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.
Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.
Hand protection: Protective gloves.
Eye protection: Safety glasses. Ensure eye bath is to hand.
Skin protection: Protective clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid
Colour: Brown
Odour: Perceptible odour
Evaporation rate: Negligible
Oxidising: Non-oxidising (by EC criteria)
Solubility in water: Insoluble
Also soluble in: Most organic solvents.
Viscosity: Oily
Boiling point/range°C: 330
Melting point/range°C: No data available.
Flammability limits %: lower: No data available.
Upper: No data available.
Flash point°C: >204
Part.coeff. n-octanol/water: No data available.
Autoflammability°C: >500
Vapour pressure: <0.01 Pa @ 25 C
Relative density: 1.23
pH: N/A
VOC g/l: No data available.

9.2. Other information

No further relevant information available.





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Safety data sheet - PART B

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended transport or storage conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Heat, moist air & humidity.

10.5. Incompatible materials/materials to avoid:

Strong oxidising agents. Strong acids. Alcohols. Amines. Water. On contact with water, gaseous decomposition products are formed, which cause build-up of pressure in tightly closed containers.
Risk of bursting. Reacts with substances which contain active hydrogen.

10.6. Hazardous decomposition products

In combustion emits toxic fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

ORL	RAT	LD50	49	gm/kg
SKN	RBT	LD50	>9400	mg/kg

Relevant effects for mixture:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	INH	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	INH DRM	Hazardous: calculated
Carcinogenicity	-	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated
STOT-repeated exposure	-	Hazardous: calculated





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Symptoms / routes of exposure

Skin contact:	There may be irritation and redness at the site of contact. An itchy rash may occur at the site of contact.
Eye contact:	There may be irritation and redness. The eyes may water profusely.
Ingestion:	There may be soreness and redness of the mouth and throat.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing. Harmful by inhalation.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No further relevant information available.

12.2. Persistence and degradability: No further relevant information available.

12.3. Bioaccumulative potential: No further relevant information available.

12.4. Mobility in soil: Insoluble in water.

12.5. Results of PBT and vPvB assessment:

PBT: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects: Negligible ecotoxicity.

SECTION 13: Disposal considerations

13.1. Waste treatment methods:

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Waste code number: 07 02 08

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

SECTION 14: Transport information

Transport class: This product does not require a classification for transport.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations:
Not applicable.

15.2. Chemical safety assessment:

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.





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SECTION 16: Other information

Other information:

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* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3:

EUH204: Contains isocyanates. May produce an allergic reaction.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335: May cause respiratory irritation.

H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

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