

TWO-COMPONENT ADHESIVE DESIGNED FOR EASY APPLICATION AND FORMULATED FOR BONDING TO MOST SUBSTRATES BOTH INTERIOR AND EXTERIOR

PRODUCT 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.

DIRECTIONS OF USE

Premierbond 2PT is supplied as a 6.5kg 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.



CHARACTERISTICS / ADVANTAGES

- 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

PRODUCT INFORMATION

Base	Hybrid
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 Minimum +30°C ideally below 25°C
Storage life at 25°C	6 months in unopened containers. Store between 5°C and 25°C



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.

LIMITATIONS

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

HEALTH & SAFETY

May produce an allergic reaction

Keep out of the reach of children

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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

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. Seek medical attention if irritation persists

Ingestion:

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

Inhalation:

Move to fresh air. In the event of symptoms seek medical advice

SECTION 4: Continued

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

Immediate / special treatment:

Not applicable

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

Personal precautions:

Refer to section 8 of TDS 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 bunding

6.3 | Methods and material for containment and cleaning up

Clean-up procedures:

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 the TDS

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

7.3 | Specific end use(s)

No data available

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	Non-oxidising (by EC criteria)
Solubility in water	Insoluble
Viscosity	Highly viscous
Boiling point/range °C	>195°C



SECTION 9: Continued

Melting point/range°C	No data available
Flammability limits %:	
Lower	No data available
Upper	No data available
Flash point°C	>185°C
Part.coeff. n-octanol/water	No data available
Autoflammability	No data available
Vapour pressure	3 hPa @ 20 Deg C
Relative density	1.72
VOC g/l	No data available

9.2 | Other information

No data available

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

Toxicity values:

No data available

Symptoms / route 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

Exotoxicity 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 identification:

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

NB:

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



SECTION 14: Transport information

14.1 | 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

SECTION 16: Other information

Other information

This technical data sheet is prepared in accordance with Commission Regulation (EU) No 2015/380

*indicates text in the TDS 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. Oadby Plastics shall not be held liable for any damage resulting from handling or from contact with the above product.

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:

Di-/polyisocyanate components for the production of polyurethanes

SECTION 2: Hazards identification

2.1 | Classification of the substance or mixture

Classification under CLP:

Eye Irrit. H319; Acute Tox. 4: H332; Carc. 2: H351; Resp. Sense. 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 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 of 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
 EU204: Contains isocyanates. May produce an allergic reaction

Hazard pictograms:

GHS07: Exclamation mark
 GHS08: Health hazard



Singal words:

Danger

Precautionary statements:

P260: Do not breath 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
 P312: Call a POISON CENTER / doctor if you feel unwell.



SECTION 2: Continued

2.3 | 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

2.3 | Mixtures

Hazardous ingredients:

DIPHENYLMETHANE DIISOCYANATE (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 RE 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

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

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 substances or mixtures

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

Personal precautions:

Refer to section 8 of the TDS 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. Contains the spillage using bonding

6.3 | Methods and material for containment and cleaning up

Clean-up procedures:

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 TDS

SECTION 7: Handling and storage

7.1 | Precautions for safe handling

Handling requirements:

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 and 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

7.3 | Specific end use(s)

No further relevant information available



SECTION 8: Exposure controls/personal protection

8.1 | Control parameters

Hazardous ingredients:
DIPHENYLEMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

Workplace exposure limits:

State	Workplace exposure limits:		Respirable dust	
	8 hour TWA	15 min. STEL	CLP Classification	Percent
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
Viscosity	Oily
Boiling point/range°C	330°C
Melting point/range°C	No data available
Flammability limits %: lower	No data available
Upper	No data available
Flash point°C	>204°C
Part.coeff. n-octanol/water	No data available



SECTION 9: Continued

9.1 Autoflammability°C	>500°C
Relative density	1.23
pH	N/A
VOC g/l	No data available

9.2 | Other information
No data available

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:

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 hazards for product:

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

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 wheezing. Harmful by inhalation

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 identification:

This product is not identified as a PBT/vPvB substance

12.6 | Other adverse effects

Negligible exotoxicity

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



SECTION 16: Other information

Other information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830

*indicates text in the TDS 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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