

Premierbond 2PT White

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

Technical datasheet



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

- Shelflife: 6 months
- Curing time: 4-6 hours (Initialcure: 20minutes)
- Full sheetcoverage
- Less change 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 coverage)
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.
Use only in well ventilated areas.

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.

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Premierbond 2PT White

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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: PC1: Adhesives, sealants.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

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. Chemical characterisation

Mixture description: LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM), HYDROTREATED HEAVY

Contains: A blend of branched polyols and inert fillers.

EINECS	CAS	CHIP Classification	CLP Classification	Percent
265-150-3	64742-48-9	Xn: R65; -: R10; -: R66	Asp. Tox. 1: H304; Flam. Liq. 3: H226	1-10%

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Wash immediately with plenty of soap and water

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: Wash mouth out with water - if symptoms persist consult doctor.

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

After swallowing: There may be irritation of the throat.

After inhalation: No symptoms.

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

After eye contact: There may be irritation and redness.

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

No further relevant information available.



Premierbond 2PT White

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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 Use only in well ventilated areas
Ensure there is sufficient ventilation of the area.
- 7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.
Suitable packaging:: Must only be kept in original packaging.
- 7.3. Specific enduse(s):
No further relevant information available.



Premierbond 2PT White

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

Safety data sheet - PART A

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ingredients with limit values that require monitoring at the work place:
No data available.

DNEL / PNEC: No data available.

8.2. Exposure controls

Engineering measures:
Ensure there is sufficient ventilation of the area.

Respiratory protection:
Respiratory protection not required.

Protection of hands:
Protective gloves.

Skin protection:
Protective clothing.

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Information:

State: Liquid

Colour: Cream

Odour: Perceptible odour

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble

Viscosity: Highly viscous

Relative density: 1.787 at 20°C

9.2. Other information

No further relevant information available.



Premierbond 2PT White

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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.

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 further relevant information available.

12.2. Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil: Readily absorbed into soil.

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.



Premierbond 2PT White

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

Safety data sheet - PART A

SECTION 13: Disposal considerations

13.1. Waste treatment methods:

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

European waste catalogue:
08 04 10

Un-cleaned packaging:

Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

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:
Not applicable.

SECTION 16: Other information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.
* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3:

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

R10: Flammable.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

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.

Premierbond 2PT White

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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 CHIP: Xn: R20; Xi: R36/37/38; Xn: R40; Sens.: R42/43; Xn: R48/20

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

Most important adverse effects:

Harmful by inhalation. Irritating to eyes, respiratory system and skin. Limited evidence of a carcinogenic effect. May cause sensitisation by inhalation and skin contact. Harmful: danger of serious damage to health by prolonged exposure through inhalation.

2.2. 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.

Signal words:

Danger

Hazard pictograms:

GHS07: Exclamation mark

GHS08: Health hazard



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Safety data sheet - PART B

Precautionary statements:

P260: Do not breathe fumes.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+352: IF ON SKIN: Wash with plenty of water/soap and water.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P304+341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position 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.

Label elements under CHIP:

Hazard symbols:Harmful.



Risk phrases: R20: Harmful by inhalation.

R36/37/38: Irritating to eyes, respiratory system and skin.

R40: Limited evidence of a carcinogenic effect.

R42/43: May cause sensitisation by inhalation and skin contact.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Safety phrases:

S2: Keep out of the reach of children.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28: After contact with skin, wash immediately with plenty of.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Precautionary phrases: Contains isocyanates. See information supplied by the manufacturer.

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.



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Safety data sheet - PART B

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

DIPHENYLMETHANE DISOCYANATE (ISOMERS AND HOMOLOGUES)

EINECS	CAS	CHIP Classification	CLP Classification	Percent
-	9016-87-9	Xn: R20; Xi: R36/37/38; Xn: R40; Sens.: R42/43; Xn: R48/20	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

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

After skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

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

After swallowing: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

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

After swallowing: There may be irritation of the throat.

After inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.

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

After eye contact: There may be irritation and redness.

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 B

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:

Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind.

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. If outside keep bystanders upwind and away from danger point. Evacuate the area immediately.

6.2. Environmental precautions:

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

Alert the neighbourhood to the presence of fumes or gas.

6.3. Methods and material for containment and cleaning up:

Absorb into dry earth or sand. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

6.4. Reference to other sections

No further relevant information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Use only in well ventilated areas

Ensure there is sufficient ventilation of the area.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific enduse(s):

No further relevant information available.



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Safety data sheet - PART B

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

DNEL / PNEC: No data available.

8.2. Exposure controls

Engineering measures:
Ensure there is sufficient ventilation of the area.

Respiratory protection:
This component is part of a 2-part polyurethane adhesive. It has been designed to be trowelled and roller applied. Respiratory equipment is not necessary if it is applied in this way. Respiratory equipment is required only if the general level exceeds the Working Exposure Limit (WEL).

Protection of hands:
Protective gloves.

Skin protection:
Protective clothing.

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Information:
State: Liquid
Colour: Yellow-brown
Odour: Characteristic odour
Oxidising: Non-oxidising (by EC criteria)
Solubility in water: Insoluble
Viscosity: Non-viscous
Flash point°C: >200

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.

10.4. Conditions to avoid

Heat. Hot surfaces. Flames.

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.

Hazardous ingredients:

DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

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

Relevant effects for mixture:

Effect	Route	Basis
Acute toxicity (harmful)	INH	Hazardous: calculated
Irritation	OPT INH DRM	Hazardous: calculated
Sensitisation	INH DRM	Hazardous: calculated
Repeated dose toxicity	INH	Hazardous: calculated

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.



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

Safety data sheet - PART B

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No further relevant information available.

12.2. Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil: Readily absorbed into soil.

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:

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

European waste catalogue:

08 05 01

Uncleaned packaging:

Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

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:

Not applicable.



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Safety data sheet - PART B

SECTION 16: 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>.

R20: Harmful by inhalation.

R36/37/38: Irritating to eyes, respiratory system and skin.

R40: Limited evidence of a carcinogenic effect.

R42/43: May cause sensitisation by inhalation and skin contact.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Legal disclaimer:

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