

Premierbond HT White

Hybrid MS polymer technology Premium grade 290ml cartridge & 600ml foil

Technical data sheet - According to 453/2010/EC



Directions of use

Application temperature +5°C to +40°C . All surfaces must be clean and dry prior to adhesive application; furthermore all surfaces must be permeable to provide a key for the adhesive. Apply using a manual applicator gun, available from Cladright™.

Apply adhesive in vertical stripes with approx. 100-200mm distance in between. Excess adhesive is easy cleaned using a damp cloth immediately after fitting. Adhesion tests prior to application are recommended.

Additional information

100% modulus	1.35 Mpa (N/mm ²)
Application rate	@3mm/4 bar (150 g/min)
Application temp.	From +5°C to +40°C
Base	Hybrid
Coverage Based on: 2440 x 1220mm	290ml = Approx. 10.3 linear metres (1/2 sheet coverage) 600ml = Approx. 20.6 linear metres (1 sheet coverage)
Curing time	24 hours (23°C / 55% RH)
Density	1.53 g/ml
Elongation at break	300%
Flow	<2mm (ISO 7390)
Frost resistance during transportation	Up to -15°C
Shore-A hardness	DIN 53505 (60 Shore A)
Skin formation	10 minutes (23°C / 55% RH)
Temp. resistance	From -40°C to +90°C

Description

Premierbond HT is a premium quality, professional and universal sealant/adhesive based on hybrid MS polymer technology. With high tack properties, Premierbond HT has initial bond strength double that of most other grab adhesives and bonds to vertical applications. Premierbond HT is water, frost and heat resistant from temps. of -40°C to +90°C. Suitable for interior and exterior use.

Features and benefits

- Shelf life: 18 months
- Curing time: 24 hours (Initial cure: 30 minutes)
- Permanently flexible
- Wet room environments
- Paintable
- Non-corrosive towards metals
- UV, moisture and mould resistant

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Limitations

Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates. Do not use in permanently damp/wet conditions. In damp, cold or humid conditions, curing time may be significantly extended. Do not use on mirrors.

Coverage for 2440 x 1220mm sheet

290ml = Approx. 10.3 linear metres (1/2 sheet coverage)
600ml = Approx. 20.6 linear metres (1 sheet coverage)

Health and safety

Contains Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate, N-(3-(trimethoxysilyl)propyl) ethylenediamine, N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine, dioctyltinbis (acetylacetonate). May produce an allergic reaction. Keep out of the reach of children. Use only in well ventilated areas.

Certifications

EN 15651-1:
F-EXT-INT-CC 25HM,

EN 15651-3:
S XS3

EN 15651-4:
PW-EXT-INT-CC 25HM,
Emicode EC1 Plus.

Surface preparations and finishing

Surfaces must be clean, dry and free from dust, grease and other loose material. At least one of the surfaces has to be porous in order for the adhesive to cure. Adhesion tests prior to application are recommended.

Tools should be wiped clean with a paper towel and can be washed in water whilst the adhesive is still un-cured.

Paintability

This product is paintable with most paints. A comparability test before application is recommended, Not paintable with alkyd resin paints.

Cleaning

Tools to be cleaned after use with water.
Cured material can only be mechanically removed.

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Safety data sheet - According to 453/2010/EC

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

1.1. Product identifier

Trade name: Premierbond HT

Article number: QMS003

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

No further relevant information available.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008.

The product is not classified according to the CLP regulation.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008: Void.

Hazard pictograms: Void.

Signal word: Void.

Hazard statements: Void.

Additional information:

Contains Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate, N-(3-(trimethoxysilyl)propyl)ethylenediamine, N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine, dioctyltinbis(acetylacetonate).

May produce an allergic reaction. Keep out of the reach of children. Use only in well ventilated areas.

2.3. Other hazards

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2. Chemical characterisation

Mixture description: Mixture of substances listed below with nonhazardous additions.

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information: No special measures required.

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

After skin contact: Generally the product does not irritate the skin.

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

After swallowing: If symptoms persist consult doctor.

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

No further relevant information available.

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

No further relevant information available.

SECTION 5: Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture. No further relevant information available.

5.2. Advice for fire fighters

Protective equipment: Mouth respiratory protective device.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation

6.2. Environmental precautions: Do not allow to enter sewers/ surface or ground water

6.3. Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Pick up mechanically.

6.4. Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

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

Information about fire - and explosion protection: No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

7.3. Specific enduse(s):

No further relevant information available.

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SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data - see item 7.

8.1. Control parameters

Ingredients with limit values that require monitoring at the work place:

28553-12-0di-"isononyl" phthalate, WEL Long-term value: 5 mg/m³.

Additional information: The lists valid during the making were used as basis.

8.2. Exposure controls

Personal protective equipment/general protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Goggles recommended during refilling.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Information:

Appearance:

Form: Pasty

Colour: White

Odour: Characteristic

Odour threshold: Not determined

pH-value: Not determined

Change in condition:

Melting point/Melting range: Not determined

Boiling point/Boiling range: > 34 °C

Flash point: > 100 °C

Flammability (solid, gaseous): Not applicable

Ignition temperature: 420 °C

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SECTION 9: Continued

Decomposition temperature: Not determined.

Self-igniting: Product is not self-igniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: 0.1 Vol % - Not determined.

Upper: 0.2 Vol % - Not determined.

Vapour pressure: Not determined.

Density at 20 °C: 1.58 g/cm³.

Relative density: Not determined.

Vapour density: Not determined.

Evaporation rate: Not determined.

Solubility in / Miscibility with water: Not miscible or difficult to mix.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic: Not determined.

Kinematic: Not determined.

Solvent content:

VOC (EC): 2.40 %

VOC (EC): 37.9 g/l

9.2. Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

No dangerous decomposition products known.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects:

Acute toxicity Based on available data, the classification criteria are not met.

Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

Serious eye damage/irritation:

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity: 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: No further relevant information available.

Additional ecological information: No further relevant information available.

General notes:

Water hazard class 1 (German Regulation) (Self-assessment):

Slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5. Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other adverse effects: No further relevant information available.



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SECTION 13: Disposal considerations

13.1. Waste treatment methods:

Recommendation: Disposal must be made according to official regulations.

European waste catalogue:

08 04 09*waste adhesives and sealants containing organic solvents or other hazardous substances.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1. UN-Number

ADR, ADN, IMDG, IATA - Void

14.2. UN proper shipping name

ADR, ADN, IMDG, IATA - Void

14.3. Transport hazardclass(es)

ADR, ADN, IMDG, IATA - Class Void

14.4. Packing group

ADR, IMDG, IATA - Void

14.4. Packing group

ADR, IMDG, IATA - Void

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

UN "Model Regulation": Void

SECTION 15: Regulatory information

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

Directive 2012/18/EU

Named dangerous substances: ANNEX I None of the ingredients is listed.

15.2. Chemical safety assessment:

A Chemical Safety Assessment has not been carried out



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SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H226 Flammable liquid and vapour.

H332 Harmful if inhaled.

Department issuing MSDS:

Product safety department.

Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4