

## Premierbond HT

A quality, cost efficient, high performance hygienic wall and ceiling systems that you can rely on. Our comprehensive cladding range offers a dependable, simple and attractive solution.

### *product information*

Name:	Premierbond HT
Other names:	Premierbond HT
Abbreviation ISO 1043:	-

### *this document contains*

- » Technical Datasheet (Pages 1-2)
- » Safety Datasheet (Pages 3-7)



## Product Description

A high quality, universal adhesive and sealant based on hybrid MS technology for both interior and exterior applications. Approved by ISEGA to EN 1186 and EN 13130 and CEN/TS 14234, European standards for food preparation. May be used safely in food preparation areas and cold storage. Has excellent adhesion to most non-porous surfaces, will bond to damp surfaces and is paintable with most paints. This product is based on a neutral curing system, where it cures under the influence of humidity to form a durable elastic seal and is free from isocyanates. As well as being fast curing and almost odourless, it is also non-corrosive to metals and has good resistance to UV, weather and water.

## Benefits

Excellent adhesion to most non-porous surfaces. Will bond to damp surfaces. Paintable with most paints. Can be used safely in food preparation areas.

## Uses

Suitable for sealing joints around sanitary fixtures, perimeter joints around window and door frames and joints and assemblies in coach body work. For gluing panels, skirting boards, thresholds and insulation materials. Will seal and bond glass, porcelain, coated metal, epoxy and polyester panels, polystyrene, PVCu, stainless steel, anodised aluminium and finished wood. Has excellent anti-pick qualities making this product suitable for use in correctional institutions and areas where vandalism of sealant may occur.

## Directions of Use

Surfaces must be clean and sound. Cut the cartridge seal and screw on the nozzle which should be cut to your required size. Using a skeleton gun, apply the sealant into the gap or joint to provide a good solid fill. If required, place masking tape along edges, removing within 10 minutes of application. Always tool using a spatula or stick wetted with neutral soapy water within 10 minutes of application. For gluing applications, apply adhesive in vertical lines at a distance of 10-20cm. Support the application for at least 24 hours until full curing occurs.

## Limitations

- Not suitable in combination with chlorides (pools).
- Not suitable for natural stone and mirrors
- Not recommended for direct contact with the perimeter of insulation glass, the edges of laminated safety glass or the bedding in of double glazed units.
- Not recommended for application on PE, PP, PC, PMMA, PTFE, wax, neoprene and bituminous substrates.

## Surface Preparations and Finishing

Adhesion tests prior to application are recommended

## Paintability

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

# Premierbond HT

### Cleaning

Cured material can only be mechanically removed.

### Colour(s)

- White
- Brown
- Black

### Shelf Life

Shelflife of 12 months after production date. Store upright in unopened, original packaging between +5°C and +25°C in cool, dry conditions.

## technical properties

Technical Properties	Test	Unit	Result
1. 100% Modulus	-	N/mm2	1.35 Mpa
2. Application Rate	-	@3mm/4 bar	150 g/min
3. Application Temperature	-	°C	+5 to +40
4. Base	-	-	Hybrid
5. Curing Time	-	-	2-3mm / 24 hours
6. Density	-	g/ml	1.53
7. Elongation at Break	-	%	300
8. Flow	ISO 7390	-	<2mm
9. Frost Resistance during transportation	-	°C	up to -15
10. Shore-A hardness	DIN 53505	-	60 shore A
11. Skin Formation	-	23°C / 55% RH	10 mins
12. Temperature Resistance	-	°C	From -40 to +90

Key:

All The above information is for guide purposes only. The data has been taken from standard test results provided by our manufacturers.

Yes	Limited	No or no data
+	o	-

## Safety properties

### Substance/preparation and Company detail

Premierbond HT

### Hazards identification

#### Classification of the substance or mixture

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

The product is not classified according to the CLP regulation.

#### 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.

**Safety data sheet available on request.**

#### Other hazards

#### Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

### Composition/information on ingredients

#### Chemical characterisation: Mixtures

**Description:** Mixture of substances listed below with nonhazardous additions.

Dangerous Components:		
CAS: 28553-12-0 EINECS: 249-079-5 Reg.nr.: 01-2119430798-28-xxxx	di-"isononyl" phthalate substance with a Community workplace exposure limit	10-<30%
CAS: 2768-02-7 EINECS: 220-449-8 Reg.nr.: 01-2119513215-52-xxxx	trimethoxyvinylsilane Flam. Liq. 3, H226; Acute Tox. 4, H332	1-<5%

**Additional information:** For the wording of the listed risk phrases refer to section 16.

## Safety properties

### First aid measures

**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.

**Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### Fire-fighting measures

**Extinguishing media**

**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

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

**Advice for firefighters**

Protective equipment: Mouth respiratory protective device.

### Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation

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

**Methods and material for containment and cleaning up:**

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

Pick up mechanically.

### Handling and storage

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

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

**Conditions for safe storage, including any incompatibilities****Storage:**

**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.

**Specific end use(s)** No further relevant information available.

### Exposure controls/personal protection

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

**Control parameters**

Ingredients with limit values that require monitoring at the workplace:

28553-12-0 di-"isononyl" phthalate

WEL Long-term value: 5 mg/m<sup>3</sup>

## Safety properties

### Exposure controls/personal protection

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

#### 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

### Physical and chemical properties

#### Information on basic physical and chemical properties

#### General Information

#### Appearance:

**Form:** Pasty

**Colour:** Various colours

**Odour:** Characteristic

**Odour threshold:** Not determined.

**pH-value:** Undetermined.

#### Change in condition

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** > 34 °C

**Flash point:** > 100 °C

**Flammability (solid, gaseous):** Not applicable.

**Ignition temperature:** 420 °C

**Decomposition temperature:** Not determined.

**Self-igniting:** Product is not selfigniting.

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

#### Explosion limits:

**Lower:** 0,1 Vol % Undetermined.

**Upper:** 0,2 Vol % Undetermined.

**Vapour pressure:** Undetermined.

**Density at 20 °C:** 1,58 g/cm<sup>3</sup>

**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

**Other information:** No further relevant information available.

## Safety properties

### Stability and reactivity

**Reactivity:** No further relevant information available.

**Chemical stability**

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**Possibility of hazardous reactions:** No dangerous reactions known.

**Conditions to avoid:** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** No dangerous decomposition products known.

### Toxicological information

**Information on toxicological effects**

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

**Primary irritant effect:**

**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.

### Ecological information

**Toxicity**

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability** No further relevant information available.

**Bioaccumulative potential** No further relevant information available.

**Mobility in soil** No further relevant information available.

**Additional ecological information:**

**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.

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects** No further relevant information available.

### Disposal considerations

**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.



*Safety properties*

## Transport information

**UN-Number**

ADR, ADN, IMDG, IATA: Void

**UN proper shipping name**

ADR, ADN, IMDG, IATA: Void

**Transport hazard class(es)**

ADR, ADN, IMDG, IATA:

Class Void

**Packing group**

ADR, IMDG, IATA: Void

**Environmental hazards:** Not applicable.**Special precautions for user:** Not applicable.**Transport in bulk according to Annex II of****Marpol and the IBC Code:** Not applicable.**UN "Model Regulation":** Void

## Regulatory information

**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.**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 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.

**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (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

**\* Data compared to the previous version altered.**