



BOSS 7247 FC

TECHNICAL DATA

Basis	Polyurethane
Consistency	Liquid
Curing System	Polymerisation through moisture
Colour	Light brown
Density @ 23°C (g/ml)	1.15 ± 0.03
Viscosity (Brookfield) (mPa.s)	4,000 → 6000
Temperature resistance** (°C)	-40 → 80
Open time* (23°C, 50% RH) (min)	10 → 15
Initial setting time (min)	30 → 45
Final setting time (hrs)	24
Application temperature (°C)	5 → 40
Consumption* (g/m ²)	100-200

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

** This information relates to fully cured product.

Description

BOSS 7247 FC polyurethane adhesives support the efficient production of durable, high-quality honeycomb doors & sandwich panels, meeting a wide range of requirements for lightweight and durable manufacturing.

Properties

- High final strength and durability.
- Improved structural stiffness with low panel weight.
- Excellent heat and water resistance.
- Foams up slightly and fills cavities effectively.
- Highly versatile.

Applications

- Bonding of rigid plastic panels.
- Bonding of soft and hard polystyrene.
- Bonding of different foam types like polyether, polyurethane, polystyrene. Bonding of paper, metal foils, felt, textile, cork, both mutually as on wood, board, chipboard, concrete, masonry, brick & metal.

Packaging

Packaging: 25kg & 200kg closed head drum.

Shelf life

When stored in original unopened container at 5°C to 25 °C, BOSS 7247 FC has a shelf life of 12 months from the date of manufacturing.

Substrates

All usual substrates for bonding, a variety of porous and non-porous materials, Not suitable for PE, PP, PTFE and bitumen.

Nature: Surface should be clean, free of dust and grease. We recommend a preliminary adhesion test on any substrate.

Application method

BOSS 7247 FC cures by reacting with water and foams during this process. If the surface is moistened (e.g. by atomisation), the curing process accelerates and the filling capacity of the adhesive increases. Clamping of the materials, during the curing, is necessary in order to achieve the final maximum possible strength. Due to the foaming reaction, clamping or pressing is recommended. The curing can be further accelerated by using a heated press, we recommend not to exceed 70 °C.

Cleaning: Acetone or Iso-propanol. Cured BOSS 7247 FC can only be removed mechanically.



TECHNICAL
DATA SHEET

BOSS[®]
PRODUCTS

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BOSS 7247 FC

Health and Safety Recommendations

Take the usual labour hygiene into account. Wear gloves. Consult label and material safety data sheet for more information.

Remarks

Liquid Systems: Liquid polyol or isocyanates should be disposed of with an EPA approved industrial waste company which meet all applicable federal, state and local laws and regulations.

Cured Urethanes: Fully reacted and cured polyurethanes are inert and can be disposed of as regular land - fill.

Container: Dispose of decontaminated drums in accordance with all applicable federal, state and local laws and regulations.

Do Not Re-use Empty Container.

Do Not Cut or Weld Empty Container.

WATER CONTAMINATION CAN CAUSES DANGEROUS PRESSURE BUILD UP IN ISOCYANATE DRUMS.

Disclaimer: This technical data sheet replaces all previous versions. The directives contained within this documentation are the result of our experiments and experience, and have been submitted in good faith. Because of the diversity of the materials and substrates, in addition to the great number of possible applications that go beyond our control, we cannot accept any responsibility for the results obtained. Further, since the design, quality of the substrate, and processing conditions are beyond our control, no liability under this publication will be accepted. In every case, it's therefore recommended to carry out preliminary experiments. BOSS reserves the right to modify its products, without prior notice.

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