



BOSS[®] 7247 BS

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)	5,000 → 7000
Temperature resistance** (°C)	-35 → 80
Open time* (23°C, 50% RH) (min)	20 → 30
Pressing time (h)	1 → 2
Application temperature (°C)	5 → 35
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 BS is a one-component, solvent-free, ready-to-use, construction adhesive based on polyurethane. It has excellent adhesion, fast build-up of strength and fast curing when moistened.

Properties

- Flexible Adhesive
- Very high final strength
- Moisture- and weather resistant.
- Foams up slightly, fills up cavities
- Good temperature resistance
- Highly versatile

Applications

- Bonding of rigid plastic panels
- Bonding of soft and hard polystyrene

Packaging

Packaging: 225kg & 25kg closed head drum.

- 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

Shelf life

At least 9 months in unopened packaging in a dry storage place at temperatures between +5°C and +25 °C.

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 BS 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



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filling capacity of the adhesive increases. 3-5 % water/-glue is sufficient. 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 BS can only be removed mechanically.

Repair: With the same material.

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 landfill.

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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