



BOND PUA 708

PRODUCT DESCRIPTION

Multipurpose two component polyurethane thin set adhesive for fixing tiles & stones on interior and exterior floor and wall. Designed especially for interior and exterior floor and wall installation of all types of ceramic tiles, vitrified tiles, semi-vitrified tiles, engineered stone, stone and tile over concrete and on a variety of substrates including metal substrates and dry wall boards.

USES

- High strength, chemical resistant
- Economical & Easy to use
- Bonds to various substrates including metals. Complies to EN/ISO with a R2T classification. Water, freezing, thermal shock resistant. Flexible and heat resistant.
- All types of ceramic tiles
- Vitrified tiles, semi-vitrified tiles
- Engineered stone, stone and tile over concrete.
- Variety of substrates including metal substrates and dry wall boards.

FEATURES & BENEFITS

- Two component, just mix and use
- High strength chemical resistance
- Economical

- Easy to use
- Water, freezing, thermal shock resistance
- Flexible and heat resistance
- Complies to EN/ISO with R2T classification

SUITABLE SURFACE

- Concrete
- Vacuum dewatered flooring
- Tremix
- Metal floor and wall
- All types of tiles and stones
- All types of wood and plywood
- Epoxy or PU resin based substrates

SURFACE PREPARATION

Ensure surfaces to be treated are dry, clean and free of residues.

Substrates must be compact and consistent, free from any rising dampness, with no loose, flaky, or imperfectly anchored parts. The substrate must be stable, without cracks and have already completed the curing period of hygroscopic shrinkage. Uneven areas must be corrected with suitable smoothing and finishing products.

Installation shall be made on a dry surface. New concrete slabs must be damp cured and at least 28 days old prior to application. All slabs must be plumb and true to within 1/4" (6mm) in 10ft (3m). Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate.

MIXING INSTRUCTION & APPLICATION

Santec Bond PUA 708 is prepared by mixing together parts A and B from the bottom upwards, using a low-rev ($\approx 400/\text{min.}$) helicoidal

agitator, with the preset ratio of 4:1 of the packs. Pour part A into the bucket containing part B, being careful to mix the two parts uniformly until a smooth, even coloured mixture is obtained. The user must mix a quantity of adhesive which can be consumed within 1 hour at +25 °C.

Application Process

Apply adhesive to the substrate with the flat side of the trowel, pressing firmly to work into the surface. Comb on additional adhesive with the notched side. Use the proper sized notched trowel to ensure full bedding of the tile. Spread as much adhesive as can be covered with tile in 10 minutes. Back butter large format tiles (> 12"x12") to provide full bedding and firm support. Place tiles into wet, sticky adhesive and beat in using a beating block and rubber mallet to imbed tile and adjust

level. Check adhesive for complete coverage by periodically removing a tile and inspecting bedding adhesive transfer onto back of tile.

If adhesive is skinned over (not sticky), remove and replace with fresh adhesive.

Application Condition

- Residual moisture content of the stone substrate should not exceed 5%.
- No rising moisture & potential osmosis problems.
- Substrate temperature should be at least 3°C above dew point but not above 50°C.
- Recommended ambient temperature for application is between 10°C - 40°C.
- Relative Air Humidity (RH) to not exceed beyond 80%.

TECHNICAL DATA

Base	PU
Aspect	Part A - Paste Part B - Paste
Colour	Part A - White Part B - White
pH	N/A
Mix Appearance	Off White after mixing
Mixed Density	1650-1720 kg/m3
Shelf Life	24 months in original container
Application Temp.	12 C to 40 C
Pot Life	60-75 min
Open Time	60 min
Adjustability	60 min
Vertical Slip	< 0.5mm
Foot Traffic	24 hour
Grouting	24 hour
Interval before normal use	3 days

CONSUMPTION

1.9 to 2.1 Sft per 1 Kg with 1/4" x 1/4" (6mm x 6mm) square notched trowel for a bed of 3mm. Coverage will vary depending on trowel notch size, type and size of tile and substrate smoothness and evenness.

Any suitable surface	(6mm x 6mm) square notched trowel for a bed of 3mm --- 0.19-0.21Sq.Mt/1 kg
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Coverage will vary depending on trowel notch size, type and size of tile and substrate smoothness and evenness.

The data given is for guideline only. The physical values are subject to normal manufacturing tolerances, colour and testing variances. The coverage & consumption figures are theoretical and do not allow for any additional material required due to surface porosity, surface profile, variations in level or wastage etc.

PACKAGING

- **4 KG**
 - **Part A : 3.200 KG**
 - **Part B : 0.800 KG**

STORAGE & SHELF LIFE

Keep in a cool and well ventilated area. For best result, use within 7 days from opening to avoid possible spoilage. For product expiry information, please refer to the product packing.

ANNOTATION

- Santec Bond PUA 708 is Two Part Polyurethane Based Adhesive. Do not use on any damp surfaces or where there is a risk of rising damp. The packs are-measured, Wrong mixing ratio could cause quality problems.. A wrong mixing ratio could cause failure during the curing process. Use the products in

temperatures between +15°C to +40°C. In case of use on surfaces subject to continuous immersion in water, consult a technical team for assistance.

- Part B is very sensitive to humid conditions and water so store it in a dry palace.
- Always use good quality brush, sponge, scrubber or white cotton cloth while application to avoid damaging the surface due to the decolorization.
- While using any tools like spray pumps, low hand pressure pumps, water jets, mixer machines, grinding machines in application, clean the inner and outer surface of the tool to avoid any kind of damage to the surface and material to be used.

HEALTH & SAFETY

Precautions

- During application wear protective clothing, gloves and eye goggles during application. Avoid products to contact eyes and skin.
- Keep out of reach of children.
- Not for internal consumption.
- Apply between temp. 5°C to 35°C.
- Use only in well ventilated areas.
- Wash hands thoroughly after applying.

Accident

- Use water spray.

Spillage

- Take up mechanically or with absorbent material.

First Aid

- If swallowed, contact a physician.

- If in skin contact wash skin with water and remove contaminated clothing.
- If you come in contact with the eye, hold open, flood with water for at least 10 min and contact a physician.

NOTES

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