

TAL GOLDSTAR SEALMASTER 1000

DESCRIPTION

TAL GOLD STAR SEALMASTER 1000 is a single component permanently flexible moisture curing polyurethane based adhesive and sealant. TAL SEALMASTER 1000 exhibits excellent properties for adhesion between most substrates and materials, including materials with dissimilar coefficients of expansion. TAL GOLD STAR SEALMASTER 1000 is fast curing and is resistant to shock, vibration and temperature change when cured.

SURFACE PREPARATION

TAL GOLD STAR SEALMASTER 1000 can be used for heavy and light precast panel expansion joints, wood, aluminium and PVC joinery seams, and expansion joints in traditional construction. TAL GOLD STAR SEALMASTER 1000 is highly recommended for bonding baked clay and concrete roof tiles. GOLD STAR SEALMASTER 1000 shows excellent adhesion without primer to steel, PVC, zinc, fibre cement, aluminium, marble, clay, concrete, brick, wood, most lacquered metals, polyester, glass, stone, ceramic tiles, etc.

TECHNICAL DATA

Appearance	Pasty
Colour	Various
Density at 20°C	Black : 1.16 ± 0.05; Others : 1.18 ± 0.05
Sagging (ISO 7390)	None
Application Temperature	5 - 35°C
Skin Formation Time (at 23°C and 50% RH)	Ca 90 minutes
Cure Time (at 23°C and 50% RH)	3mm / 24 hours
Final Shore A Hardness (IS O868-3 seconds)	Ca 40
Modulus at 100% (ISO 8339)	Ca 58 psi (0.4 MPa)
Elongation at Break (ISO 8339)	>600%
Temperature Resistance	-30 - +80°C
Resistance to Dilute Acids and Bases	Average
UV Resistance	Good
Water and Salt Spray Resistance	Excellent
Compatibility with Paints	Water Based: Yes Solvent Based: Carry out tests beforehand



SEALMASTER 1000®

POLYURETHANE ADHESIVE & SEALANT

- Flexible and elastic
- Water resistant
- Fast curing - bubble free
- Bonds well to most substrates
- Good UV, stain and weather resistance
- Non sag and durable
- Can be painted
- Shock and vibration resistant
- Gap filling



TECHNICAL ADVICE CENTRE NATIONWIDE 0860 000 TAL (825)

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TAL GOLDSTAR SEALMASTER 1000

SURFACE PREPARATION

The surfaces must be clean, dry and free from dust, oil, grease, grime, mould or shutter release agents, water/condensation and any other contaminants that could hinder bonding. Mechanical abrading and/or solvent wiping may be required.

If the substrate needs to be cleaned, use methylethylketone (MEK), acetone or grease removers, provided they are compatible with the substrates to be bonded.

Priming may be required for certain applications involving bare metal. Pre-testing for adhesion is recommended since substrate types and uniformity can vary. If in doubt consult the TAL Technical Advice Centre on 0860 000 TAL(825) or e-mail taltech@norcrossa.com for further assistance.

APPLICATION

TAL GOLD STAR SEALMASTER 1000 may be applied by manual or pneumatic gun. Cut tip to desired size and puncture seal in spout before placing cartridge in caulking gun. TAL GOLD STAR SEALMASTER 1000 should be pressed well into the joints to ensure adequate contact of the sealant with the substrate. After application, use a putty knife to smooth the joint with soapy water.

This product should be used within 24 hours after opening the cartridge, otherwise the sealant could harden in the cartridge. **Do not apply at temperatures below 5°C or through standing water.** In cold weather conditions, store cartridges at 20°C before use.

Do not apply over silicones or in the presence of curing silicones. Avoid any contact with non-cured MS, hybrid PU as well as alcohols or ammonia during curing.

CLEANING

Cleaning of uncured sealant can be done using a dry cloth to remove excess sealant, followed with a cloth dampened in MEK or acetone. Tools should be cleaned with MEK or acetone before the sealant has completely cured. After curing, abrasion is necessary.

COVERAGE

310ml Cartridge :

Tube (mm)	2	3	4	5	6	7	8	9	10
Length of cord (m)	98	43	24	15	11	8	6	4	3

PACKAGING

TAL GOLD STAR SEALMASTER 1000 is available in 310ml cartridges and 600ml sausages, and is available in White, Grey and Black.

STORAGE & SHELF LIFE

When stored in dry internal conditions between 5°C and 25°C in the original, hermetically sealed cartridges or sausages the product has a shelf life of 12 months from date of manufacture.

PRECAUTIONS

Avoid prolonged breathing of vapours. When using solvents, extinguish all sources of ignition and carefully follow the manufacturer's precautions and directions for use. Use solvents in accordance with local regulations. Solvent should be compatible with substrates.

Contact TAL for further health and safety information. Dispose of this product in accordance with local regulations.

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WARNING

Combustible liquid and vapour. May cause eye and respiratory tract irritation. May cause Asthma-like symptoms in persons previously sensitized to isocyanates.

Do not ingest. Use only as directed. Avoid skin and eye contact. Protect sensitive skin with rubber gloves. Work in a well ventilated area. Keep out of reach of children.

TAL GUARANTEE

TAL products are manufactured and tested to TAL procedures, which are maintained in accordance with Quality System Standard ISO 9001 : 2000. TAL products are guaranteed to be free from manufacturing defects and fit for design purposes. TAL guarantees the performance of its products when used strictly in accordance with TAL's materials and methods specifications and good working practice.

TAL TECHNICAL ADVICE CENTRE

For a detailed Materials and Methods Specification contact the TAL Technical Advice Centre on 0860 000 TAL(825), or e-mail taltech@norcrossa.com

Branches : Gauteng (011)316-3133; Cape (021) 386-1810; Natal (031) 700-1535

IMPORTANT NOTICE

TAL believes the information on this sheet to be correct – but does not guarantee its accuracy or completeness. Conduct your own tests of this product to determine its suitability for intended use. User assumes all risks and liability during testing and use of this product. The only obligation of TAL shall be to replace any of this product proved to be defective in material. TAL shall not be liable for any injury, loss or damage, direct or inconsequential, relating to the use or inability to use this product. Except as expressly provided above, all products sold and samples furnished without any warranty of merchantability or any other warranty, express or implied.

TAL reserves the right to change the information on this datasheet.

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