



Pattex General sealant/adhesive GSA

CHARACTERISTICS

- Flexible bonding
- Weather and ageing resistance
- Environmental, solvent-free
- Formaldehyde, benzene free
- Suitable for different substrates



INTRODUCTION

Pattex General sealant/adhesive GSA is elastic joint sealant and multipurpose adhesives with solvent-free formula, used as an adhesive for tiles, slab stones with strong bonding. Suitable for various materials as substrates. No drilling procedure needed, avoid voice, no pollution, no need to drill hole, no damage to base material, easy

installation.

APPLICATION FIELD

- 1) Suitable for partial indoor areas of tiles, slab stones, etc. and a variety of shaped decorative materials bonding. Such as TV background wall, entrance hall and other areas.
- 2) Suitable for indoor and outdoor applications of various absorbent

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and non-absorbent substances such as wood panels, ceramics, metals, concrete, stones, etc.

- 3) Connection joints, e.g. joints between wood/aluminum/PVC-window or door frames and brickwork, for stairs, balconies, terraces, soundproofing of pipes between concrete and sheathing and many more
- 4) Not recommended or not suitable for
 - * Joints with water pressure or permanent water immersion, e.g. in fish tanks, swimming pools.
 - * Use for glass glazing, structural bonding or food contact applications.
 - * Sealing bathtubs or washbasins.
 - * Copper and brass.
 - * Adhesion to PE, PP, PTFE (Teflon®), PMMA (acrylic glass).

INSTRUCTIONS FOR USE

Pretreatment

- 1) Ensure the surface to be bonded are clean and free of contamination and have enough strength.
- 2) Standing water on the wet substrate must be cleared away. The concrete wall must be pretreated and free of release agent.
- 3) Pre-cut and fit materials before applying adhesive.

- a. Cut off the tip of the nozzle by a proper size (10 mm recommended). Cut the aluminum wrap opening and place it into the matching squeeze gun. Apply a 'punctate', 'straight' or 'zig zag' bead of adhesive alone surface.
- b. In case of wall application, do not apply the adhesive continuously and horizontally because moisture accumulated at the adhesive strips will cause damage to bonding.

Bonding application

- 1) When bonding slab stones, it is recommended to apply glue to the bonding surface at 200*300mm intervals, and then manually apply pressure and kneading to bond the slab stones in place after bonding.
- 2) Making sure there is gap between two adhesive lines to get cured properly after squeezing. Supplemental support is needed when bonding heavy materials, such as slab stones, after the adhesive getting initial cured (after about 24-48hours), the support can be moved away.
- 3) This product is a moisture curing reactive adhesive, curing process is from the surface to the interior. Under room temperature and 50% relative humidity conditions, the adhesive curing about 2mm depth after 24 hours, deeper parts,

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especially with limited air contact, curing time will be extended. The real curing time depends on temperature condition, substrates and adhesive thickness.

Sealing application

- 1) The joint width must be designed to suit the movement capability of the sealant. In general, the joint width must be > 10 mm and < 35 mm. A width to depth ratio of $\sim 1: 0.5$ must be maintained.
- 2) After joint and substrate preparation, insert backing rod (closed cell, PE-foam backing rods) to required depth and apply primer if necessary. Insert sausage into sealant gun and firmly extrude product into joint making sure that it is full contact with the side of the joint. Fill the joint, avoiding air entrapment. The product must be tooled firmly against joint sides to ensure good adhesion.
- 3) Masking tape must be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant has still not formed a skin.
- 4) After application, the product can be smoothed with soapy water before skinning for a perfect sealant surface.

TECHNICAL DATA

Item	Description
Chemical base	Moisture curing silane modified polymer/SMP - cures by reaction with atmospheric humidity
Odour	Alcohol
Appearance	Viscous paste
Color	White, black, grey
Density	Approx. 1.6g/ml
Resistance to flow	~ 0 mm
Skin formation time (+23 $\pm$ 2°C / 50 $\pm$ 5% RH)	~ 20 min
Installation temperature (substrate and ambient)	+5°C $\sim$ +40°C
Curing speed (23°C, 50% r.h., bead 20x10mm)	~ 1.8 mm / 24 hours
VOC (GB 33372 / GB 18583)	< 20 g/kg
Shore A hardness (GB/T 2411)	~ 35
100% Elongation strength (GB/T 528)	~ 1.0 MPa
Break strength of elongation (GB/T 528)	~ 1.5 MPa
Elongation at break (GB/T 528)	~ 250 %
Tensile strength (GB/T 7124)	~ 2.0 MPa
60% Modulus (GB/T	~ 1.2 MPa

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13477.8)	
Elongation at break (GB/T 13477.8)	~150 %
Elastic recovery (GB/T 13477.17)	~70 %
Movement capability (GB/T 14683-2017)	20 %
Recommended joint width	10-35 mm
Service temperature	-40 to + 80°C

The above information applies at normal ambient conditions, +23±2°C and 50±5% relative air humidity.

NOTES/LIMITATIONS

- 1) Not suitable for structural assembly applications.
- 2) This product is not recommended on bituminous substrates or on building materials which might bleed oils, plasticizers or solvents which could attack the sealant.
- 3) Ensure good ventilation for jobsite use.
- 4) Finish usage once getting sausage open. If the product can't be finished in a short time, keeping it in good sealing condition is needed.

- 5) Keep out of the reach of children.
- 6) No touching with eye for uncured product. Washing with water and consulting to doctor in case of incidents.

STANDARDS

- MS GB/T 14683-I-20HM
- Q/0601LCTS09
- GB 18583
- GB 33372
- DB 11/1983-2022

PACKAGING

500 ml in composite aluminum film

SHELF LIFE

12 months with completed package stored in dry and shadow places. Optimal temperature: 5 ~ 27°C.

HEALTH AND SAFETY

Before using the product, please see the related Material Safety Data Sheet that is available on request.

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"The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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