



PRODUCT DATA CHEET معلومات المنتج

سيلانت فاصل تمدد بوليوريثان JOINTSEAL PU 600



STARFIX PU-600 is a one component, gun-grade, Non-sag, moisture-cure polyurethane sealant designed to skin and cure rapidly. This high performance product is designed with outstanding UV resistance and long term durability.

USES

Sealant is designed to seal construction joints.
To Seal Waterproof rivet seams and roof rails.
To Seal Perimeter joints around windows and doors.
Sealing corner moldings, fabricated roof-lap seams, bumper assemblies and body-to-cab joints In motor homes.
Sealing door hinges, skylights and portholes.
Sealing Air conditioning equipment, flashing and gutters.

FEATURES

Paintable
Single component & Convenient Packing
Movement accommodation factor $\pm 30\%$ excellent adhesion without Printing
Highly resistant to sea water, diluted acids and alkalis.
Odor less UV Resistant/ Fast Curing
Low VOC Stable@temp-40°C to 200°C

ADVANTAGES

Accommodates 30% joint movement
permanently flexible, excellent weather ability
Easy to gun – Easy to tool
Cures to a tough, durable, elastic consistency with excellent cut and tear resistance
Paintable – non-sticky after cure

APPLICATION INSTRUCTIONS

STARFIX PU-600 meets or exceeds the requirements of the following specifications:
ASTM C 920 Type S, Grade NS, Class 25. Us Federal Specifications TT-S-00230C, Performance Criteria BS4254, BS5215 & BSEN 11600

TECHNICAL DATA	TEST METHOD	TYPICAL VALUE
Skin Over Time		>25 -35 mins.
Tack Free Time	ASTM C-679-87	1 hours.
Shrinkage, %		<5
VOC, (g/L)	USEPA - 24	< 5
Flow (sag or slump)	ASTM C-639-01	Non Sag
Hardness : Shore A	ASTM D-2240-97	30 $\pm$ 3
Movement Capability, %	ASTM C-719	$\pm$ 30
Peel Strength (N), concrete	ASTM C-794-93	>30
Tensile Strength (N/mm ²)	ASTM D-412-98a	1.3
Elongation at break	ASTM D-412-98a	>300%
Effects of Accelerated Aging @ 300 hrs. UV exposure	ASTM C-793	No deterioration
Application Temperature (°C)		+5 to +40
Service Temperature (°C)		- 40 to 200



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PACKAGING

600ml sausage, 20 sausages per carton

COLORS

White, Off-white, Grey, and Black. For other color please contact local STAR representative

EXPANSION JOINT DESIGN

STARFIX PU-600 may be used in any joint designed in accordance with accepted architectural/engineering practices. Joint width should be at least 4 times anticipated movement, and not less than (5mm).

While applied on an expansion joint the depth (D) of the sealant should be equal to the width (W) of the joints that are less than 10mm wide. For wider joints, width to depth ratio should be 2 : 1.

The maximum width of the joint on which Starfix PU-600 can be applied is 25mm.

JOINT BACKING

Closed cell polyethylene backer rod is recommended as joint backing to control sealant depth and to ensure intimate contact of sealant with joint walls when tooling. Where depth of joint is insufficient for the use of backer rod, an adhesive backed polyethylene tape (bond breaker tape) should be used to prevent three-sided adhesion. All backing should be dry at time of sealant application

YIELD

The following formula is an approximate guideline to calculate foreseen yield for a standard 600ml sausage of STARFIX PU-600.

$$L = 600 / (W \times D)$$

Where: L = Length of sealant in metres obtained per cartridge.

D=Depth of the joint in mm

W=Width of the joint in mm

Meter per 600 ml

Joint Depth(mm)	Joint Width(mm)					
6	6	10	12	15	20	25
6	16.6					
8	7.5					
10	6					
2	2.5					
15	1.6					

APPLICATION DETAILS



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SUBSTRATE PREPARATION

Surfaces must be sound, clean, and dry. All release agents, dust, loose mortar, laitance, paints, or other loose particles must be removed. This can be accomplished with a thorough wire brushing, sanding, or solvent washing, depending on the contamination. Star recommends that surface temperatures be below 40°C at the time the sealant is applied.

PRIMING

STARFIX PU-600 typically adheres to common construction substrates without primers; however, due to the variability of substrate finishes available, where deemed necessary, use STAR Prime PA mockup or field adhesion test can be performed on the actual materials being used on the job to verify the need for a primer.

FOR OPTIMUM PERFORMANCE

- In cool or cold weather, store container at room temperature for at least 24 hours before using.
- STARFIX PU-600 can adhere to other residual sealants in restoration applications. For best results always clean the joint as advised in the Surface Preparation section of this data guide. A product field adhesion test for STARFIX PU-600 within the specific application is always recommended to confirm adhesion and suitability of the application.
- When using STARFIX PU-600 in a traffic-bearing horizontal joint, use a firmer joint backing, such as neoprene rod or polyethylene foam block, and recess the surface of sealant (3mm - 6mm).

APPLICATION

STARFIX PU-600 is easy to apply with conventional caulking equipment. Ensure that the backer rod is friction fitted properly. Mask the sides of the joint with tape prior to filling for a cleaner finish. Fill the joint completely with a proper width-to-depth ratio and tool to ensure intimate contact of sealant with joint walls. Dry tooling is always preferred, although xylene can be used in limited amounts to slick the spatula if needed following the initial dry tooling.

CLEAN UP

Excess sealant and smears adjacent to the joint interface can be carefully removed with xylene or mineral spirits before the sealant cures. Any utensils used for tooling can also be cleaned with xylene or mineral spirits.

LIMITATIONS

- Do not apply over damp or contaminated surfaces.
- Do not use STARFIX PU-600 as a structural (load transferring) sealant

STORAGE AND SHELF LIFE

STARFIX PU-600 has a shelf life of 6 months when stored in tightly closed original casks, in a dry place at a temperature between +5°C and +25°C

CURING TIME

STARFIX PU-600 generally cures at a rate of 2mm per day at 25°C and 50% relative humidity. Skin in 15-20 minutes and be tack-free in 1 hours. Lower temperatures and humidity will extend curing time



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• Pursuant to accepted industry standards and practices, using rigid paints and/or coatings over flexible sealants can result in a loss of adhesion of the applied paint and/or coating, due to the potential movement of the sealant however, should painting and/or coating be desired it is required that the applicator of the paint and/or coating conduct on-site testing to determine compatibility and adhesion.

• Proper application is the responsibility of the user. Field visits by STAR personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

HEALTH AND SAFETY

Use only with adequate ventilation. Prevent contact with skin, eyes and clothing. Wash thoroughly after handling. Avoid breathing vapors. DO NOT take internally. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area. Always utilize the accompanying MSDS for information on Personal Protective Equipment (PPE) and health Hazards.

NOTES

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control. Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

Legal Note:

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience, as materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. this technical data sheet supersedes all previous editions relevant to this product. Star reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

الإستخدام:

المواصفات:



• الأسقف الخرسانية



• ألتصاق قوي ومتانة عالية



• البلاط والسيراميك والبورسلان



• مقاومة لدرجة الحرارة المرتفعة



• الحديد والزنك والشينكو



• مرن وعازل للماء والرطوبة



متين وثابت



ضد الماء

الألوان المتوفرة

white أبيض

Gray رمادي

Beige بيج



NEW FORMULA



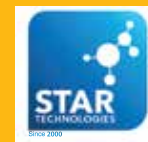
EASY TO APPLY



EXCELLENT ADHESION



• سيلانت لفاصل التمدد



MANUFACTURED BY STAR
FACTORY COMPANY LTD
MADE IN SAUDI ARABIA



مانع للتسرب



مقاوم للحرارة

صنع بالمملكة العربية السعودية



سيلانت فاصل تمدد بوليوريثان JOINTSEAL PU 600





BEST SERVICE

QUALITY GUARANTEE

متين وثابت

مانع للتسرب

ضد الماء

مقاوم للحرارة

سيلانت فاصل تمدد بوليوريثان JOINTSEAL PU 600

المواصفات:

- ألتصاق قوي ومتانة عالية
- مقاومة لدرجة الحرارة المرتفعة
- مرن وعازل للماء والرطوبة
- سيلانت لفاصل التمدد

الإستخدام:

- الأسقف الخرسائية
- البلاط والسيراميك والبورسلان
- الحديد والزنك والشينكو

اللون: white أبيض, Gray رمادي, Beige بيج

NEW FORMULA

EASY TO APPLY

EXCELLENT ADHESION

تاريخ الانتهاء: 01/11/2025

تاريخ الإنتاج: 01/11/2024

MANUFACTURED BY STAR FACTORY COMPANY LTD. MADE IN SAUDI ARABIA

صنع بالملكة العربية السعودية

ULTRA HEAVY DUTY

ISO 9001

ISO 45001

ISO 14001

AQSR

UNITED STATES ACCREDITATION

USAC

GUARANTEED QUALITY

QUALITY GUARANTEE

