



Product Data Sheet

ANCHORSEAL 963 PG

2 part pouring grade polysulphide joint sealant.

Description: ANCHORSEAL 963 PG a pouring grade polysulphide sealant is a two-component, self-leveling elastomeric joint sealant based on liquid polysulphide polymers. Its low-viscosity formulation enables it to flow readily into horizontal joints, ensuring complete and uniform joint filling without the need for tooling. Upon curing, it forms a tough, flexible, and durable seal with excellent adhesion to a wide range of construction substrates, including concrete, masonry, metal, and natural stone. The cured sealant provides a reliable, long-lasting barrier against the ingress of water, dust, dirt, and other environmental contaminants while maintaining a smooth and uniform surface finish.



STANDARDS

ANCHORSEAL 963 PG complies with the requirements of:

- Federal Specification TT-S-227 USASI A-116.11967-class A and B
- BS EN ISO 11600:2003 + A1:2011 (formerly BS 4254),
- BS 5212: part 1, BS 6920 test on suitability with potable water,
- ASTM C 920 [Type M, Grade NS, Class 25, USE T]

AREAS OF APPLICATION

ANCHORSEAL 963 PG Sealing of movement and control joints in structural floor joints,

- Horizontal expansion and movement joints in concrete pavements and floors.
- Expansion joints in bridge decks, airport runways, taxiways, and aprons.
- Joints in industrial floors, warehouses, and loading bays.
- Sealing of joints in parking decks and multi-storey car parks.
- Concrete joints in water-retaining and wastewater treatment structures.
- Horizontal joints in precast concrete panels and paving slabs.
- Joints in fuel stations, oil terminals, and chemical processing areas.
- Sealing of joints around concrete kerbs, channels, and drainage systems.
- Horizontal joints in warehouses, factories, and commercial buildings.
- Repair and maintenance of existing horizontal expansion joints in civil and building structures.

KEY PERFORMANCE PROPERTIES

- Provides a permanent, uniform, and watertight seal.
- Non-staining formulation.
- Excellent resistance to ultraviolet (UV) exposure, remaining flexible without becoming brittle, cracking, or deteriorating over time.
- Accommodates expansion and contraction caused by temperature fluctuations, helping to prevent uncontrolled cracking.
- Exhibits excellent adhesion to a wide range of common construction substrates.
- Offers excellent resistance to weathering and ageing.
- Maintains joint integrity and elasticity after curing.
- Resistant to mild chemicals and environmental contaminants.
- Non-toxic and suitable for potable water applications.
- Free from asbestos, chromated copper arsenate (CCA), and lead.
- Highly resilient with excellent elastic recovery properties.

METHOD OF APPLICATION

Joint preparation

To ensure optimum adhesion the joint faces must be sound, clean dry and free from any loosely adherent material which could prevent adequate bond to the substrate.

Priming

When installed on porous surfaces (e.g. concrete and masonry), or if joints are permanently immersed, **ANCHOR PRIME P1** primer must always be used.

When applied on non-porous substrates (e.g. metal, glass and glazed surfaces), **ANCHOR PRIME P1** a primer should be evaluated by testing adhesion before commencing full installation. Application of primer should not be carried out below 4°C.

A single coat of primer should be applied by brush in accordance with the primer instructions. The primer must be allowed to dry to a tack free state before applying **ANCHORSEAL 963 PG**, and should be applied within 3 hours of primer, otherwise re-priming will be necessary.

Do not prime or puncture the backer rod as this may cause bubbling in the sealant.

Joint depth:

For non-immersed expansion joints, subject to cyclic movement, and greater than 20mm wide, it is important that the depth should



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not exceed half the width to optimize the elastomeric properties of the joint sealant, when using filler boards in expansion joints to achieve the correct depth, it is essential to use a backer rod or insert a bond breaking tape into the joint in order to prevent 3-point adhesion.

Mixing Pouring Grade

Mix and use one complete unit at a time. **ANCHORSEAL 963 PG** is supplied as base / hardener Tin Pack. Pour the hardener (Component B) into the base (Component A) pail and mix thoroughly with a slow speed drill operating (300-500 rpm) rpm fitted with a flat bladed paddle for 2 - 4 minutes till a uniform color and consistency is achieved. Scrape down the sides as much as possible using a pallet knife and avoid lifting the mixing paddle out of material to minimize entrapment of air. DO NOT PART MIX

Applications:

ANCHORSEAL 963 PG Pour the mixed material directly into the joint from the pail. Once the sealant has been installed a suitable rounded tool soaked in soapy water can be used to achieve an hour glass profile. Masking tape should be removed immediately after the sealant is installed tack free state before applying **ANCHORSEAL 963 PG**, and should be applied within 3 hours of primer, otherwise re-priming will be necessary. Do not prime or puncture the backer rod as this may cause bubbling in the sealant.

Limitations

ANCHORSEAL 963 PG is not recommended for:

- vertical joints
- Movement joints having MAF >25%
- Damp and contaminated surfaces
- Asphalt pavements
- Over painting (paint compatibility with sealant shall be checked prior to painting)
- Joints >50mm width

PACKAGING / SUPPLY

ANCHORSEAL 963 PG is available in 4-liter Tin Pack

HEALTH & SAFETY

Protective clothing such as gloves and goggles should be worn while applying **ANCHORSEAL 963 PG**. In case the material splashes to the skin or eyes wash the same with fresh water immediately.

In critical cases seek medical assistance.

COVERAGE RATE

The approximate linear meter sealant consumption per liter can be estimated from the following formula:

$$\frac{W \times D}{1000}$$

= Sealant Consumption per linear meter per liter.

Where: W = Joint Width (mm), D = Joint Depth (mm)

Joint Size in mm	Liters/meter Run	4 Liter /Pack meter run
5 x 5	0.025	160.00
5 x 10	0.050	80.00
10 x 10	0.100	40.00
15 x 10	0.150	26.67
20 x 10	0.200	20.00
20 x 15	0.300	13.33
20 x 20	0.400	10.00
30 x 20	0.600	6.67
40 x 20	0.800	5.00
40 x 25	1.000	4.00
40 x 30	1.200	3.33
40 x 40	1.600	2.50
50 x 25	1.250	3.20
50 x 30	1.500	2.66
50 x 40	2.000	2.00
50 x 50	2.500	1.60

Use 1 liter of Anchor Prime P1 for 30 liters of Anchorseal 963 PG

STORAGE & SHELF LIFE

ANCHORSEAL 963 PG Store in cool place under cover, out of direct sunlight and protect from extreme temperatures. In tropical climate the product must be stored in air – conditioned environment (<25° C). The shelf life is up to 12 months in unopened conditions if stored as per guidelines.

QUALITY & CARE

All products originating from **ANCHOR ALLIED FACTORY LLC Sharjah, UAE**. facility is manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001, ISO 45001 & ISO 50001

CLEAN UP

All tools and equipment should be cleaned immediately after use with **ANCHOR CLEANER**. Spillages should be absorbed with sand or sawdust and disposed in accordance with local regulations.

CERTIFICATIONS





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TECHNICAL SPECIFICATION

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
Color	Grey	—
Viscosity	Free Flowing	—
Pot Life	≥ 130 min	—
Tack free Time, hours	≥ 12 hours @ 23° C	ASTM C 679-15
Initial Cure for light Traffic @ 25° C	≥ 24 hours @ 23° C, ≥5 hours @ 40° C,	—
Final cure for chemical attack or water	≥ 14 Days @ 23° C, ≥7 Days@40° C,	—
Application Temperature	+5° C — +45° C	—
Tack free Time, hours	≥ 12 hours @ 23° C	ASTM C 679-15
Application Life	18 ml/min	ASTM C 920-18
Service Temperature	-20° C — +80° C	ASTM C 1183, 1183M-13(2024)
Rheological Properties	Flow Characteristic	ASTM C 639
Extrusion Rate	29 ml/min	ASTM C 1183, 1183M-13(2024)
Stain & Color Change	No Stain or Color Change Observed	ASTM C 510-16 (2022)
Reaction to Fire	Class A	ASTM E 84
Density, Kg / Liter	1.6 ± 0.05	ASTM D 1475
Solid Content	100 %	ASTM C 836/ ASTM C 898
UV Resistance	300 hours No deterioration / No Significant Changes	ASTM G 154 - 2023
Effect of Accelerated Weathering	No crack after UV Exposure and Bend Test	ASTM C 793-24 & C1442-14
Effect of Heat Ageing	1.58 %	ASTM C 1246-17 (2022)
VOC	11.20 g/L	USEPA-24
Elongation at break	> 700 %	ASTM D 412-16 (2021)
Peel Adhesion	40.7 N, No Adhesion and Bond Failure Observed	ASTM C 794-18 (2022)
Peel Adhesion after UV Exposure	35.6 N, No Adhesion and Bond Failure Observed	ASTM C 1375-20
Chemicals & Fuel Resistance	Diluted acids and alkalis, solvents, veg oils, Jet Fuel, petrol, diesel.	ASTM D 543, ASTM D 13908
Crack & Chalking	No deterioration @ 70 °C	TT-S-0027E
Shore A Hardness	≥ 22 @ 23° C	ASTM C 661-15 (2022)
Potability	Passes	BS 6920
Movement Accommodation Factor	± 25% Butt Joint, ± 50% Lap Joint	BS 6093, ASTM C 719-22
Tear Resistance	≥ 3.30 kN/m	ASTM D 624 – 00 (2020)
Tensile Strength	≥ 0.35 N/mm ²	ASTM D 412 - 16 (2021)

Properties listed are based on laboratory-controlled tests. All values are subject to tolerance of 5-10%.

Regional Compliance Notice

Please note that regulatory requirements may vary from one region to another. As a result, product information and recommended applications may differ between countries. For accurate and up-to-date details on product specifications and approved uses, and for any technical guidance, please contact Technical Department. Of ANCHOR ALLIED FACTORY L.L.C. SHARJAH, UAE.

Disclaimer

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