



Product Data Sheet

ANCHORSEAL 963 PG

2 part pouring grade polysulphide joint sealant.

Description:

ANCHORSEAL 963 PG is a two-part Polysulphide Sealant which cures once the two components are mixed to give a flexible rubber seal. It has good adhesion to concrete and many other common building substrates.



KEY PERFORMANCE PROPERTIES

- Provides permanent and uniform watertight seal.
- Non-staining
- Excellent resistance to stays flexible won't become brittle, caulk, or crack due to ultraviolet exposure.
- Prevents uncontrolled cracking by allowing expansion and contraction during temperature changes.
- Excellent adhesion to most common building substrates
- Good resistance to ageing.
- Retains joint soundness once cured.
- Resistance against mild chemicals.
- Non-toxic. Can be used in potable water applications.
- Does not Contain Asbestos, Chromated copper arsenate and Lead.
- Highly resilient with excellent recovery characteristics.

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

Airport runways and apron pavements

Industrial warehouses

Garages & workshops–

Swimming pool walkway floors Joints

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, ANCHORPRIME P1 primer must always be used.

When applied on non-porous substrates (e.g. metal, glass and glazed surfaces), ANCHORPRIME 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.



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Joint depth:

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

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.

QUALITY & CARE

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

* Properties listed are based on laboratory controlled tests.

PACKAGING / SUPPLY

ANCHORSEAL 963 PG is available in 4-liter Tin Pack

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
20 x 10	0.200	20.00
20 x 15	0.300	13.33
20 x 20	0.400	10.00
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

1 litre tin of **Anchorprime P1** to 30 litres of Anchorseal 963 PG

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.

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.



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TECHNICAL SPECIFICATION

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
Color	Grey	—
Viscosity	Free Flowing	—
Tack free Time, hours	≥12 @ 25 °C	—
Initial Cure for light Traffic @ 25 °C	≥24 hours @ 25 °C, ≥5 hours @ 40 °C,	—
Final cure for chemical attack or water immersion	≥14 Days @ 25 °C, ≥7 Days@40 °C,	—
Application Temperature	+5 °C — +45 °C	—
Service Temperature	-20 °C — +80 °C	—
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	No deterioration	ASTM G 53
Elongation at break %	>300	ASTM D 412
Chemical Resistance & Fuel Resistance	Resistant to most dilute acids and alkalis, many solvents and vegetable oils Jet Fuel, petrol, diesel	ASTM D 543, ASTM D 13908
Crack & Chalking	No deterioration @ 70 °C	TT-S-0027E
Shore A Hardness	>20	ASTM D 2240
Potability	Passes	BS 6920
Movement Accommodation Factor	± 25% Butt Joint, ± 50% Lap Joint	BS 6093

All values are subject to tolerance of 5-10%

Shipping Limitations: None

Note

The information and data contained in the product data sheet is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of the product for usage. Since the supplier cannot know all the uses, or the conditions of use to which the product may be exposed, no warranties concerning the fitness or suitability for particular use or purpose are made. It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application. Likewise if the application, product specifications or manner in which our products are used require government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

Non – Warranty : Because the storage, handling and application of the material is beyond Anchor Allied Factory Ltd's control, we can accept no liability for the result obtained. Anchor Allied Factory Ltd's sole limited warranty is the product meets the manufacturing specifications in effect at the time of shipment. There is no warranty or merchantability or fitness for use, nor any expressed or implied warranty. Anchor Allied Factory Ltd will not be liable for any incidental and consequential damage of any kind. The exclusive remedy for breach of such limited warranty is a replacement of any product shown to be other than warranted. Suggestions of uses should not be taken as inducement to infringe any patents.



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MFG. OF SILICONE , ACRYLIC & POLYURETHANE SEALANTS, WATER PROOFING COATINGS, SELF - ADHESIVE TAPES, SPRAY PAINTS, CONTACT ADHESIVE, PVC CEMENTS, EPOXY STEEL