

# TIKI POLYSEAL (140,141)

## Poly Sulphide Sealant

No. 11-1549



Since 1964

### DESCRIPTION

**TIKI POLYSEAL (140,141)** is two component elastomeric sealant consisting of a liquid Polysulphide polymer, which when mixed with accelerator (curing agent), cures by chemical reaction to form a tough, and flexible rubber like seal. This sealant has excellent adhesion to different substrates like concrete, masonry, wood, etc., with excellent movement accommodation and withstands repeated extension, compression & cyclic movements. It is resistant to deterioration by weathering, sunlight, ozone, water, salt, oils and fuels.

#### **TIKI POLYSEAL 140: Non-Sagging Gun Grade Sealant**

- For sealing horizontal, vertical & ceiling joints.

#### **TIKI POLYSEAL 141: Pourable and Self-Leveling Sealant**

- For sealing of horizontal joints.

### USES

- Sealing of expansion, contraction & construction joints in building and water retaining structures, parking areas, bridges, roads, and other structures
- Sealing of dynamic structural cracks
- Sealing of glazing joints of window, door frame and curtain walls.
- Sealing Joints and filling gaps around 'J' bolts of reinforced cement sheet roofing.

### PROPERTIES

TECHNICAL DATA	VALUE
Nature	2 Component
Mixing Ratio (Part-A : Part B)	92:8
Consistency after Mixing TIKI POLYSEAL 140 TIKI POLYSEAL 141	Thick Paste - Non-Sagging Thick Paste - Pourable
Pot Life @ 30°C	2 – 3 Hours
Initial Setting Time @ 30°C	24 Hours
Complete Curing Time @ 5°C @15°C @25°C @30°C	8 Weeks 4 Weeks 2 Weeks 1 Weeks
Part – A Color – Base Compound	White to Off-White
Part – B Color – Accelerator (Curing Compound)	Dark Brown to Black
Color - Mix Compound	Grey
Sump (Sag) Resistance	Non-Sagging

### ADVANTAGES

- Forms a tough, elastic and flexible rubber like seal
- Excellent adhesion with most of construction materials
- High resistance to UV rays, ozone and external weather
- Good resistant to water, salt water, mild acids and mild alkalis, common chemicals, vegetable, lubricating oils and fuels (except nitric acids)

- Temperature resistance from –20°C to 80°C
- Non-sagging – suitable for application on vertical plane
- Excellent movement accommodation capability in joints up to 25% of width.
- Self-Leveling – when poured horizontally, levels itself
- Highly resilient - recovers original width after expansion & contraction without losing the bond.
- Excellent reparability property.
- It can be over coated by waterproofing compounds.
- Highly Durable, Non-Staining and Non-Toxic

### STANDARD

**TIKI POLYSEAL (140,141)** Complies with BS: 4254-1983 Specification.

### APPLICATION

Avoid application below 10°C temperatures. Avoid application on damp or moist substrate

### SURFACE PREPARATION

Clean the joint surface free of dust, coatings, bituminous mastics, concrete curing agents, mold release agents, oils, greases, loose particles etc., which may act as bond breaker.

### BACK UP MATERIALS

Where applicable, appropriate joint filler e.g. compressible closed cell foam made from polyethylene / polyurethane / neoprene should be used as back-up material to control the depth of sealant in joint and provide support for tooling sealant.

### PRIMING

Apply two coats of **TIKI PRIMER-PS** uniformly by brush on the sides of the joints surface at an interval of 30 minutes.

1 litre. of **TIKI PRIMER-PS** is required per 15kgs. of **TIKI POLYSEAL (140,141)** sealant.

### BOND BREAKER

Fix bond breaker tape such as self-adhesive polyethylene tape on back-up material to avoid adhesion of sealant to the third surface.

### MASKING TAPE

Apply masking tape on both sides of the joint to improve the neatness of the finished seal and remove immediately after tooling of the sealant.

### MIXING

Transfer entire quantity of accelerator (curing agent) to container consisting of base compound and mix gradually to uniform homogeneous black colour using spatula, palette knife or stirrer.

### APPLICATION POURABLE GRADE

After uniform mixing of the two components, pour the mixed material in to the joints ensuring uniform spread and allow it to level itself to form a smooth and clean surface.

### GUN GRADE

After uniform mixing of the two components, place the mixed material in to the joint with spatula or fill the mixed material in to the cartridge and place the





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mixed material in to the joint with hand held caulking gun.

### TOOLING and FINISHING

Use putty knife or flat trowel to tool the sealant surface. Tools can be wetted with soap solution intermittently to smoothen the sealant surface. After tooling, remove the masking tape.

### COVERAGE

The number of running meter work done in 1 kg. of **TIKI POLYSEAL(140,141)** can be calculated by following formula: -

- i) For TIKI POLYSEAL 140  $L = 650 / (W \times D)$
- ii) For TIKI POLYSEAL 141  $L = 625 / (W \times D)$

Where,

L = Length of the joint in linear running meter W= Width of the joint in mm.

D = Depth of the joint in mm.

### CLEAN-UP

Use Aromatic Solvents for cleaning equipment and tools immediately after applying **TIKI POLYSEAL (140,141)**

### SUPPLY

**TIKI POLYSEAL (140,141)** is supplied in standard pack sizes of 1Kg and 4Kg.

**TIKI PRIMER-PS** is supplied in standard pack size of 250ml, ½ Ltr. and 1 Ltr.

### STORAGE

**TIKI POLYSEAL (140,141)** must be stored above 25°C. Store under the shed & protect from extremes of temperature. Keep container close when not in use.

### SHELF LIFE

Shelf life is 12 months when stored as above and in Original Sealed Container. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

### SAFETY PRECAUTIONS

As with all chemical products, care should be taken during use and storage of **TIKI POLYSEAL (140,141)** to avoid contact with eyes, mouth, skin and foodstuffs until product fully cured or dried.

Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children, animals and direct sources of high temperatures, naked flame and sparks. Reseal containers after use. Do not reuse containers for storage of consumable item

**Disclaimer:** **TIKI TAR INDUSTRIES** Warrants that each of its products will be manufactured in accordance with the specifications in effect on the date of manufacture. While TIKI TAR endeavors to ensure that information given herein is correct to the best of our knowledge, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation of information given by it.

We recommend that adequate tests be performed by you to determine if this product meet all of your requirements.

**Note:** Properties subject to change as per specific requirement.

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