

ENESEAL PS600

Multi-component heavy-duty polysulphide joint sealant

DESCRIPTION

ENESEAL PS600 two-component high performance Polysulphide based sealant possessing outstanding resistance to deterioration due to weathering, ozone, UV light and attack by many aggressive chemicals. It can be subjected to repeated cycles of compression and extension over a wide temperature range, has an excellent adhesion-properties to all materials commonly employed in building and construction work.

USAGES

- Sewage & wastewater treatment plants and piping projects
- Sealing of grooves on upstand for tucking bitumen sheet membranes
- Heavy duty civil sealant used for sealing joints in bridges roadways, concrete ponds, warehouses, floors, dams, canals and culvert

ADVANTAGES

- Wide application capability
- Available in two grades (Gun-grade GG & Pouring-grade PG)
- UV resisting & no discoloration
- Suitable for middle east climate
- It cures due to internal reaction
- High flexibility and tough rubber-like seal
- Excellent adhesion to most of substrates
- Accommodates continuous and pronounced cyclic movement

TECHNICAL DATA

ENESEAL PS600

Typical values

Tack free time @25°C
(ASTM C 679)

1 hour (GG)
24 hours (PG)

Final curing time

7 days

Service Temperature

-15 to +80 °C

Elongation at Break
(ISO8339)

> 225%

Solid Content

100%

Shore A Hardness
@day 28 (DIN 53305)

20 – 35

Pot Life

2 hours

(MAF) Movement
Accommodation Factor

± 25%

Toxicity
(BS 6920)

Non-toxic

Density @25°C
(kg/lit)

1.50±0.02 (GG)
1.40±0.02 (PG)

Color

Grey

JOINT DESIGN AND COVERAGE

Product	GG	PG
ENESEAL PS600	2.5 lit can	4 lit can

Coverage

Joint Width (mm)	Joint Depth (mm)	Length filled/Kit (m)
10	8	50
15	8	30
20	10	17
25	12	11
30	15	9

Stated consumptions data are for general guidance. Actual consumption depends on the nature of substrate, method of application and wastage.

USAGE INSTRUCTIONS

1. Surface preparation

Clean all joint surfaces and remove any dust, unsound material, plaster, oil, paint, grease, corrosion deposits or algae. Roughen the surfaces, remove any laitance and expose aggregate by light scabbling or grit-blasting.

Oil and grease deposits should be removed by steam cleaning, detergent scrubbing or the use of the proprietary degreaser.

Any expansion joint filler must be checked to ensure it is tightly packed and no gaps or voids exist at the base of the sealing slot before positioning a bond breaker. The use of a bond breaker is not required in expansion joints containing cellular polyethylene joint filler, backing rod (**ENESEAL PBR**). For construction or contraction joints a bond breaker tape or back-up strip must be used.

STORAGE & SHELF LIFE

Original sealed container of **ENESEAL PS600** has a shelf life of 12 months provided it is stored clear of ground in a dry shaded place below 25°C.

2. Priming

It is recommended to use **ENESEAL PRIME S** on the surfaces which are old or dust producing surfaces before 45 minutes of application (it should be still tacky during application).

3. Application

Part A and B should be entirely mixed (no partial proportioning) using electric drill mixer with a flat paddle till the mix is homogeneous, Gun grade should be loaded at once to sealant gun, while pouring grade could be poured directly into the horizontal joints.

4. Cleaning

ENESEAL PS600 should be removed from tools, equipment and mixers using a solvent immediately after use. Hardened material can only be removed mechanically.

HEALTH & SAFETY

ENESEAL PS600 is not classified hazardous. It should not be swallowed or allowed to come into contact with skin, eyes. use protective gloves and goggles while mixing and applying.

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent material safety data sheet containing physical, ecological, toxicological and other safety-related data.

TECHNICAL SERVICE

The technical service department of Arkaz is available to assist in the correct and best use of our products, these resources and advice are at your disposal entirely without obligation.

Please contact:
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