


Pour Grade


PROTECTION



HIGH STRENGTH



STRONG ADHESION



DURABLE



100% Silane



Eco Friendly



Long Life

Description

Engineer Plus PSS-99 is a two component, self smoothing, elastomeric sealant which when mixed and applied cures by chemical reaction to form a tough, flexible rubber seal.

Typical Application

- Concrete pavements.
- Factory floors.
- Car parks.
- General construction and expansion joints.

Features & Benefits

- Self smoothing.
- Highly elastic.
- Excellent adhesion.
- Accommodates continuous and pronounced cyclic movement.
- Non shrink.
- UV resistant.
- Chemical resistant.

Method of Application

1 SURFACE PREPARATION

- Joint surfaces must be sound thoroughly clean and dry and free from grease, oil and any other contamination. All dust and debris must be removed by wire brushing, grinding and vacuuming. Damaged joints should be repaired first using a suitable mortar from the Engineer Plus range.
- Ensure that the filler material such as closed cell polyethylene sheet or rod is tightly packed and no gaps or voids are evident at the base of the joint. Where backing rod is not fitted a bond breaker tape must be used.
- Fix masking tape on both sides of joint surface to provide a neat appearance.

2 PRIMING

- Prime with Engineer Plus Aquaprime-99A by brush (avoiding ponding at the base of the joint). Particularly porous surfaces should be primed twice. Apply the second coat of primer when the first is tack free but within 3 hours. Sealants should be applied as soon as the primer is touch dry and within 8 hours. If this time is exceeded a fresh coat of primer should be applied.

3 MIXING

- Add curing agent to resin and mix thoroughly with a slow speed electric mixer (300 – 450 rpm) for approx. 1-2 minutes until a homogenous and uniformly grey coloured material is obtained.

4 APPLICATION

- PSS-99 is a self smoothing material, after mixing it can be poured directly from the container.

5 FINISHING

- Due to the liquid nature of the material it should require no finishing. Allow the material to cure for approximately 1 hour, as the viscosity increases due to curing the tape can be removed.

6 CLEANING

- After sealing the joint the tools and equipment should be cleaned immediately with cleaning solvents/thinners.

7 CURING

- Allow sealant to cure for 7 days before carrying out any testing. Protect the joints from water for at least 24 hours and chemicals for 7 days.



S.No.	Size in MM	Running Ft. 1 Kg.
1.	5x5	154 Running feet
2.	10x5	82 Running feet
3.	10x10	41 Running feet
4.	20x10	20.5 Running feet
5.	40x20	5.04 Running feet

Technical Data Sheet

PROPERTIES	RESULTS
Form	Base: Viscous liquid Curing Agent: Paste
Colour	Grey Solids
Content	100%
Density	1.62kg/litre
Physical/Chemical Change	Chemical Cure
Hardness Shore 'A' @ 25°C	15-23
Application Temperature	10°C to 50°C
Service Temperature	-20°C to 80°C
Cure Time	2 weeks @ 15°C 1 week @ 25°C

