

OVERVIEW

RANSPOLY-SEAL is a two pack THIOKOL (a registered trade mark of MORTON THIOKOL INC, USA) Polysulphide based Sealant with two available grades.

After mixing two packs, the mixed material provides a strong and highly elastic sealant through cross linking process. RANSPOLY SEAL-G, gun applied or non-sag type for vertical and inclined expansion contraction joints.

And RANSPOLY SEAL P-Pouring type for horizontal joints.

Standards: Complies with DIN 18540, US Fed. Spce 77-S-00227E, British Standard BS 4254: 1983 5212 -1990 & 12118 - 1987.

PROPERTIES

- International class quality from world class materials of **MORTON THIOKOL INC. USA.**
- High economical material and easy-to-use.
- Excellent adhesion to many substrates.
- High Movement Capability.
- Good Chemical resistance.
- Long Lasting elasticity.
- Easy to pour on horizontal joints with **RANSPOLY-SEAL** pouring grade.

AREAS OF USE

RANSPOLY SEAL-G is used both in vertical and inclined expansion/contraction joints in all types of building and civil engineering constructions such as Retaining Walls, Water Retaining Structures, Underpasses and Tunnels, Basements, Precast Concrete Elements, Bridges, High and Low rise buildings and wherever a permanently flexible seal is required.

RANSPOLY SEAL-P is designed especially for runways, subways, rigid pavements etc. i.e. for horizontal expansion/contraction joints.

INSTRUCTIONS FOR USE

The application temperature should be between 5°C to 45°C. Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application of the system are as follows:

Surface Preparation:

All surface must be clean, dry and free from any loose particles. Correct joint depths can be determined by inserting polyethylene foam or compressible board tightly in to the joint. Where joint have been treated with fibre filler board they should be raked back to the required depth and a bond breaker tape be inserted. Protect surface with a masking tape.

Mixing:

Both pack A & pack B are premeasured.

NO PART MIXING IS ALLOWED

Use Pack A: Pack B together. Use suitable instrument for mixing.

Mix for 8-10 minutes or until smooth and homogeneous material results.

Pour the mixed sealant into the joints without trapping or tool off with a spatula to a lightly concave profile. Remove masking tape.

RANSPOLY-PMR:

RANSPOLY-PMR is recommended for the surface namely Concrete, Brickwork, Asbestos, Cement, Gypsum board, natural as well as artificial stone, glass, ceramics, anodized Aluminium, timber and rigid PVC etc. Primer is not required on epoxy or polyester surfaces, some roughening may be required with emery paper.

RANS ENGINEERING & CHEMICALS offers a comprehensive range of products and services for most concrete and finishing needs. Please contact the RANS Technical Service Department or your local RANS agent for further information, samples, demonstrations and instructor services. The information given in this leaflet is based upon laboratory research, as well as extensive field work and application. All products are sold subject to standard conditions of sale which are available on request. This information is based on RANS present state of knowledge and is intended to provide general information on RANS's products and their methods of use. The prospective user is recommended to determine the suitability of RANS's suggestions and products before adopting them on a commercial scale.

RANSPOLY-PMR is a single pack material. It contains solvent & is highly inflammable.

Do not allow naked flame nearby.

Available in 250 ml & 500 ml.

Dosage: 6 to 8 M² per Ltr.

Chemical Resistance:

Aviation fuels, Kerosene, Diesel, Petrol, Lubricating Oils, White Spirit, Dilute acid and Alkalies.

PRECAUTION:

Mix only the required quantity of material, which can be utilized within stipulated pot life to avoid solidification.

Wash all the tools and tackles with industrial solvent immediately after the application is completed.

HEALTH & SAFETY

Avoid prolonged contact with eyes and skin. For detailed information refer to relevant material safety data sheet.

PACKING & STORAGE

RANSPOLY-SEAL is packaged in 1 Kg & 4 Kg Pack.

COLOUR: - Pack A is white and Pack B is Black to dark brown in Colour.

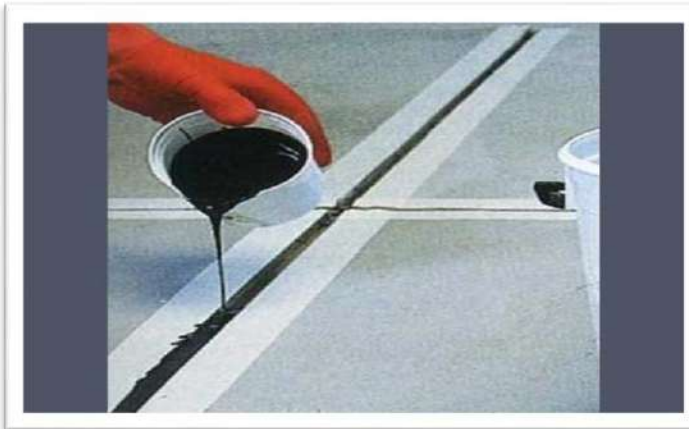
Store containers in a clean dry area protected from direct sunlight and extreme heat and cold.

Unopened containers can be stored for 12 months.

**TECHNICAL
DATA**

Product	2 Grades Polysulphide Sealant		
Type	Cross Linking LP Polysulphide Polymers		
Grades	Pour Grade & Gun Grade		
Density	1600 Kg/m ³ (Mixed material) at 30± 2 ° C		
Joint Design	Minimum Joint depth : 8mm		
	Maximum Joint width : 40mm		
Joint Design	Width: depth ratio for joints up to 10 mm wide : 1:1		
	Joints from 10 mm to 50 mm, Width: depth ratio : 2:1		
Movement Capacity	Expansion/Contraction : 25% to 30%	Shear Movement :	20%
Pot Life	Cure Rate :		Depends on Climate
	10°C : 5 to 7 hours,		10°C : 50 to 60 days
	20°C : 4 to 5 hours,		20°C : 21 to 25 days
	30°C : 2 to 3 hours,		30°C : 12 to 15 days
	35°C : 1.5 to 2 hours		35°C : 6 to 10 days
Shore "A" Hardness	20-25	Shrinkage	-1%
Application temperature	5 ° C to 45 ° C	Service Temperature	40°C to 80° C
Shelf Life	12 Month if unopened	Storage Conditions	Keep dry and away from extremes of heat

PICTURES/IMAGES AT GLANCE



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