

## OVERVIEW

Roads and runways constructed with cement concrete need special treatment. The slabs are cast-in-situ with dummy joints at short intervals while contraction and expansion joints at large suitable spacing's to allow for free movement of concrete slabs during expansion and contraction in hot & cold weather and to prevent slabs from haphazard cracking. These joints need to be properly attended to take care of ingress of water during rainy season and to prevent the entry of foreign matters-restricting free movement of the slabs.

RANSJOINT-FILLER is a fibre board impregnated with bituminous materials. This process of Bituminizing renders the Board durable and waterproof. It is compressible and possesses a high degree of recovery after compression is released which ensures that no free space develops in expansion joints. The material allows the joints to expand in summers and contract in winters without damaging the concrete slab.

## PROPERTIES

- Easy to handle, cut and tamp
- Resilient
- Will not extrude under compression

## AREAS OF USE

RANSJOINT-FILLER is suitable for forming joints between in-situ and pre-cast concrete construction.

Forming structural expansion and separation joints in:

- Concrete pavements and floors
- Roads, ramps and runways
- Pedestrian areas
- Concrete retaining walls and bridges
- Concrete basement structures and subways

It is filled in concrete joints in Bridges, Roofs and other concrete structures for easy expansion and contraction of the concrete slabs. It is also, used in foundation for installing machinery where vibrations are experienced.

## 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.

## HEALTH & SAFETY

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

## PACKGING & STORAGE

RANSJOINT-FILLER is supplied in sheets measuring 4'x4'. It is available in thickness of 12mm, 18mm and 25mm app. And is supplied in Wooden Crates containing 8 sheets, 6 sheets and 4 sheets respectively depending upon the thickness. It is also available in 5mm and 15mm thick size on special order.

Store material in a clean dry area protected from direct sunlight and extreme heat and cold. Unopened material can be stored for 12 months.

**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.**

**TECHNICAL  
DATA**

<b>Product</b>	Preformed Expansion Joint Filler Board		
<b>Form</b>	Compressible Sheet		
<b>Bitumen Content</b>	35%		
<b>Recovery</b>	70%		
<b>Density</b>	330-350 Kg/m <sup>3</sup>		
<b>Water absorption (%)</b>	15%		
<b>Service temperature</b>	-10°C to 75°C		
<b>Brittleness (ASTM D994)</b>	No sign of crack & Shatter		
<b>Weathering Test</b>	No disintegration		
<b>Shelf Life</b>	12 Month if unopened	<b>Storage Conditions</b>	Keep dry and away from extremes of heat

**PICTURES/IMAGES AT GLANCE**



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