



The mark of enduring quality

Joint and crack sealant

# Thormaseal™ Tropical AP

## APPLICATION INSTRUCTIONS

### PRODUCT NAME

Thormaseal™ Tropical AP

### DESCRIPTION

- Thormaseal™ Tropical AP is a high performance hot-applied rubberised bituminous product used to seal and fill cracks and construction joints in both asphalt and concrete surfaces.
- It is a tropical grade sealant suitable for use in hot climates. It offers good extension over a wide range of service temperatures (approximately 0°C to +50°C) and resistance to deformation at road temperatures reaching 60°C.
- Supplied in block form in 4-ply sacks holding approximately 20kg.

### INSTALLATION

#### *Preparation of joints and cracks*

- Joints and cracks should be thoroughly cleaned and dried using a hot compressed air lance, grit blasting or power brushing, to remove all surface contaminants.
- Any badly spalled concrete surfaces should be repaired using a suitable material.
- For deep construction joints a suitable caulking should be inserted into the joint gap prior to installation of the sealant.
- It is recommended to prime concrete surfaces using Prismo® CP primer.

#### *Heating*

- Use a purpose built, temperature controlled, mechanically agitated gas or diesel fired pre-heater.
- Remove the outer packaging and load the blocks of sealant into the pre-heater. Initially load 3–5 blocks and once the material is being agitated and has started to melt, gradually add more blocks until the desired amount has been reached.



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- Allow the content of the pre-heater to fully melt and reach pouring temperature, ensuring that the sealant has been homogeneously mixed, and there are no visible clusters of non-melted material.
- Ensure the material is within the recommended pouring temperature range of 190–220°C.
- Use a calibrated hand-held thermometer with probe immersed in the material to obtain temperature readings as pre-heater temperature gauges may not always give a reliable or accurate temperature reading.
- Do not overheat the material. Maximum safe heating temperature of Thormaseal™ Tropical AP is 220°C.
- Overheating the material will cause separation of the sealant.
- Prolonged heating times and repeated heat cycles may result in degradation of the product. For best performance, maximum heating time is six hours with one heating cycle.

### Application

- Apply the heated Thormaseal™ Tropical AP to pavement joints and cracks using either pump fed applicators or by bucket and hand mould.
- Construction joints should be sealed to a level of approximately 3mm below the surrounding surface.