



The mark of enduring quality

Joint and crack sealant

Prismo Thormaseal® 1401C

APPLICATION INSTRUCTIONS

PRODUCT NAME

Prismo Thormaseal® 1401C

DESCRIPTION

- Thormaseal® 1401C is a high performance hot-applied rubberised bituminous product used to seal and fill cracks and construction joints in both asphalt and concrete surfaces.
- Thormaseal® 1401C is a CE marked product in accordance with Annex Z of European Standard EN 14188-1. See Declaration of Performance no. 035-CPR2014-02-21 and meets the requirements of the European Standard for Hot Applied Sealants: EN 14188-1, Sealant Class: N1.
- 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.
- 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 170–180°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 1401C is 190°C.
- Overheating the material will cause separation of the sealant.
- Prolonged heating times and repeated heat cycles may result in degradation of



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the product. For best performance, maximum heating time is six hours with one heating cycle.

Application

- Apply the heated Thormaseal® 1401C 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.