

Hydraminous 40

CEMKRETE

Hot Poured Rubberized Bituminous Sealing Compound

Description

The **Hydraminous 40** range of sealing compounds are rubberized bituminous materials designed to provide long lasting flexible seals to joints in concrete which are on the horizontal plane.

Standard

For Expansion and construction Joints in Roads. Run ways, and Hard standings.

This top grade compound is designed to meet and exceed the requirements of

- BS 2499:1973
- U.S. Federal Spec. SS-S-164,SS-R-406C
- A.S.T.M. D1190,1991,
- A.S.T.M. D 6690, Type 1
- A.A.S.H.O.M. 173-60
- BS 2499:1973

Note : Joints should always be primed with **Hydraminous Primer** (also available from **CEMKRETE**)

Use

- Highways
- Airfield pavements
- Industrial floors,
- Bridge Deck

Preparing of the Joint

- Joints must be thoroughly cleaned out to remove all traces of dirt, dust, laitance or other loose or insecure matter and must be completely dry.
- Where joints are especially narrow or deep, effective cleaning can best be achieved employing a sand or grit blasting technique followed by blowing out with compressed air. Where this is not possible either mechanical or hand-wire brushing techniques should be employed.
- When the joint is clean and dry, primer is to be applied. When primer is **dry Hydraminous 40** may be poured into the joint.

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Preparation of Sealing Compound for Melting

- Strip outer paper casing away from **Hydraminous 40** compound leaving the compound completely free of all traces of paper.
- Cut the **Hydraminous 40** into small cubes of approximately 3 kg. using heated blade of a spade or shovel
- Transfer the cut blocks into the Serviced melter unit ensuring that they are free from all traces of paper or other matter which in passing through the melter unit will cause blockage of the delivery tap.

Technical specifications

Colour :	Black
Density:	1.3
Penetration at 25 °C :	45 – 55 min
Softening point:	92 °C
Flow at 60 °C:	0 mm
Resilience:	60% min
Elongation at 25 °C:	1,000 %
Bond test :	Pass 50% extension at
Set Time:	<15 min

Packing

15 kg./box

Melting Procedure

Hydraminous 40 Sealing Compounds must be heated in the Serviced oil jacketed melter and kept in constant agitation whilst being brought up to a temperature of between 140 °C and 160 °C at which temperature the compound will flow freely. Heating for unduly long periods or at excessive temperatures (over 180 °C) will cause deterioration of the compound and render it unusable. Care must therefore be taken to avoid these circumstances and in addition it is essential that the equipment is cleaned and all surplus material discarded at the completion of each day's work.



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Advantages:

- Low modulus and high movement accommodation
- Excellent durability
- Excellent adhesion to most materials including metals, concrete, and brick
- High movement accommodation
- Good leveling
- Excellent recover characteristics
- Provide permanent and uniform watertight seal
- Non toxic once cure

Storage Life:

Store the sealant in dry condition at a temperature ideally not exceeding 25°C. Under such conditions unmixed sealant has a storage life of twelve months from the date of manufacturing. The expiry date is clearly shown on each container.

Pot Life:

The sealant has an application life under normal conditions of temperature (+20°C) of approximately one hour. Higher temperatures will decrease these times and lower temperatures will extend. Service Temperature Range: -40°C to +80°C

Additional Information

Cemkrete manufactures a wide range of those complementary products which include:

- Waterproofing membranes & waterstops
- Joint sealants & filler boards
- Cementitious & epoxy grouts
- Specialized flooring materials
- Fireproof coating and systems
- Concrete admixture
- Repairing material

For further information on any of the above, please consult your local Cemkrete office - as below

Important Note: Cemkrete warrants its materials free of manufacturing defects and produced as per standard specifications and sold under the terms and conditions of usages, whilst Cemkrete endeavors to ensure that any advice, recommendation, or information, given through its products literatures are reflects of the R&D in-house lab test and practical sites experience and knowledge based feed backs, however, the products are being used under various conditions and applied beyond its control where or how either directly or indirectly at various locations and places at a different stages that of an intended purposes and uses. Therefore, Cemkrete cannot hold warranty or responsible for resultant consequences, such as damages to the property or assets but the product itself.

