



## *Hydramastic*

*Modified, Bitumen-based,  
Rubberized, Plasto-elastic Sealant,  
Cold poured*

### **Description**

A rubberized bitumen-based material which is used for the filling of cracks or sealing of joints. It is cold-poured or applied when slightly warmed and can be applied by hand or hand-tools.

### **Object**

- As a joint sealant in floor-toppings
- Sealing of foundation and curtain walls
- Basements
- Dams and reservoirs
- Facade renderings

### **Advantage**

- Good ageing properties and resistant to UV-light
- Good weather resistance
- Suitable for high water pressure
- Non-toxic
- Free from phenol and may be used in drinking water reservoirs

### **Instruction for Use**

- When used as joint sealant, observe following design criteria
  - a) Width : depth = 1:1.2 to 1.5 (cm)
  - b) Minimum ratio width : depth with max. movements of 5% 1:1.2 (cm)
  - c) Maximum ratio width : depth with max. movement of 5% is 1:1.5 (cm)
- If used in an open joint with water-pressure, fix a strip of copper or galvanized steel or similar on the opposite side of the water pressure, so as to ensure that the Hydramastic will not be pushed out.
- For particular problems with regard to joint designs, contact ACT Technical Services for advice and demonstration.
- Joints must be clean and free from oil, dirt, grease and dust. Preferable use an air-compressor to blow the joints clean.
- Apply primer using Primer-J available from ACT. Such primer is applied by brush. Ensure the primer does not dry out before application.
- To ensure good workability of Hydramastic, warm the can of the material in an oil-bath or water-bath or similar. Use for instance a half-size drum and place some concrete blocks on the bottom of the drum inside it. Put the can of Hydramastic on the blocks. Fill up the drum with some suitable oil so it covers about 60% of the side of the Hydramastic can. Lit a fire under the drum and heat up the oil. When the oil reached a temperature of around 160 °C the Hydramastic in the can will gradually become soft. Do not warm the Hydramastic directly against a naked flame as it may overheat which renders the material unusable.
- Take out the Hydramastic from the can and cut it in suitable strips to fit the joints. The soft, warm mass can then be pressed into the joint which is filled completely in one or two layers. If required, the surface of the joint may be sanded.

- Usage: calculate volume of joint per length-meter then multiply by density (1.4 kg/L.); Primer-J is required in rates of 0.1 liter per m<sup>2</sup>

### **Characteristic**

● Penetration :	Requirement as per US Federal Spec SSR406C-223.11 : 55-70
● Density :	1.40 kg/liter
● Weathering over time :	Gloss of surface disappears over Surface hardening but no cracking; No softening of material at temp below + 50 ° C resistant to UV-light.
● Chemical Resistance :	Resistance to light to moderate strong acids and alkali

### **Cleaning**

The working equipment, tools etc., can be mechanically cleaned by using brushes in combination with Xylene. The cleaning should be done immediately after the completion of the work and within the pot life of the material to avoid sediments on the equipments ,tools etc

### **Storage**

Under roof and dry conditions.

### **Shelf-Life**

4-6 months in unopened and unbroken bags.

### **Packaging**

In cans of 30 liter.

Primer J is supplied in cans of 20 liter.

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