



## CONSOL SEAL B

Hot – applied Elastomeric Concrete Joint Sealant

### DESCRIPTION

**CONSOL SEAL B** is a hot applied modified bitumen. It has excellent adhesion property, non-permeable to water mild chemical solutions, ultra-violet resistance and non-flow or dip under direct sunlight.

### RECOMMENDED FOR

**CONSOL SEAL B** is used for sealing horizontal movement and construction joints in concrete pavements and floor slabs.

Such as

- Pavements, roads and traffic surfaces.
- Water retaining structures including reservoir floors and roofs, swimming pool substructures and irrigation canal floors.
- Bridges
- Airport aprons and runways.

### BENEFITS

- Remains flexible at low temperatures
- Easy to melt
- Good weather resistance
- Excellent adhesion to most materials
- Good adhesion to concrete and asphalt surfaces

### TECHNICAL DATA

#### Form

Thermoplastic

#### Colour

Black

#### Chemical Resistance

Resistant to water, saturated salt solutions, mild acids and alkalis.

#### Softening Point (°C, R&B), ASTM D36

80 – 100

#### Penetration

(0.1 mm, at 25°C, 100 gr, 5 seconds), ASTM D5

15 - 35

#### Specific Heat Capacity

Approximately 2100 J/kg °C

#### Solid Content

100 %

#### Specific Gravity

1.10 – 1.16

#### Packaging

20 kg metal pail

#### Storage

24 months under good storage conditions and in undamaged containers.

### JOINT CONFIGURATION

#### Minimum joint depth

10 mm

#### Width : depth ratio for expansion joints:

1 : 1 to 1 : 1.5

#### Width : depth ratio for construction and contraction joints:

1 : 1 to 1 : 2.5

### SURFACE PREPARATION

- All surfaces must be clean, dry and free from loosen particles.
- For treatment of weak points and cracks make a 'V' shape groove not smaller than 40 mm width and 25 mm depth along the weak point or crack.

### HEATING

1. Heat **CONSOL SEAL B** to pouring temperature range between 150°C to 200°C. Avoid localized heating above 230°C. To achieve good adhesion, temperature **CONSOL SEAL B** shall not fall below 130°C at the instance of contact with substrate.
2. **CONSOL SEAL B** can be applied to any thickness in one-time pouring. Allow for 10% shrinkage of hot material at 150°C on cooling to room temperature.



3. Direct flame torching may be used to remelt applied material for levelling off. Avoid localized flame heating exceeding 10 seconds which would light up the material.

## **SAFETY INSTRUCTION**

### **Precautions**

Wear goggles and gloves during application. In contact with eyes, rinse immediately with clean water and seek medical attention without delay. If swallowed or if vapours are inhaled:

Remove to fresh air, seek medical advice and do not induce vomiting.

Remove immediately contaminated clothing after application. Wash hands before breaks and after work with plenty of soap and water.

### **Importance Notes**

The material is flammable when overheated

Consol<sup>®</sup>  
CONCRETE SOLUTION



**KIMIA  
KONSTRUKSI  
INDONESIA**

HEAD OFFICE  
PERTOKOAN WADUNG ASRI PERMAI Blok B 8  
Jl. Raya Wadung Asri 46-48 Waru - Sidoarjo  
Telp. 031 8661122 - Fax. 031 8661122

BRANCH OFFICE :  
GUDANG TAMBUN CITY  
Jl. Sultan Hasanudin 263-265 Tambun City Blok E No. 2  
Tambun Selatan - Bekasi, Telp. 021 89510184

FACTORY  
Kompleks Industri dan Pergudangan Golden Blok B16-17  
Jl. Industri II Tambak Sawah, Waru Sidoarjo 61256