

## BITUME 110/30

**BITUME 110/30** is a high quality oxidized bituminous block to be used on roof with a standard bitumen boiler for hot bonding application at about 230°C.

**BITUME 110/30** is made by blowing air through the bituminous mass at elevated temperature between 250°C and 300°C to increase physical properties with an exothermic oxidation reaction.

**BITUME 110/30** is composed of two numbers: 110 is the softening point value with the ring and ball method (expressed in °C) and 30 is the penetration value at 25°C (expressed in 1/10 mm).

### User application

**BITUME 110/30** is used for hot bonding process of waterproofing membrane on roof.

**BITUME 110/30** is heated in suitable boiler at a temperature which not exceed 250°C.

**BITUME 110/30**, being a bad heat conductor and more viscous than most other common fluids, product may take time to reach a stable temperature.

Avoid localized overheating which could ruin the product, causing a development of coke and a lower thermal exchange.

Pour **BITUME 110/30** with appropriate tools (bucket, etc...) and spread it out with a metal scraper.

### Composition

	BITUME 110/30
Penetration at 25°C, 100 g, 5s 1/10 mm (NF EN 1426)	25 to 35
Softening point (°C) ring and ball method (EN 1427)	105 to 115
Relative density at 25°C (NF EN ISO 3838)	1,00 to 1,10
Flash point (°C) Cleveland method (EN ISO 2592)	≥ 250
Solubility (C2C14) % (NF EN 12592)	≥ 99
Limit temperature of pumpability °C	≤ 0,5

### Packaging

**BITUME 110/30** is packed in loaf of about 25 kg, wrapped with fusible plastic film.

**BITUME 110/30** can also be delivered in bulk liquid form with truck 24 tons.

## Special indications

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### **Hygiene, health and environment:**

Main dangers regarding the use of **BITUME 110/30** are due to the high temperatures at which the product is heated.

Extreme caution is to be observed regarding:

#### Heating process:

- Never heat up the product above 250°C.
- Never heat up pumps or pipes with a flame without previously examined the danger implied and take relative safety precautions. Avoid localized overheating.

#### Product handling:

- in the case of use of pumps and hoses, check for caps and any leaky junction through which hot bitumen could flow.
- Do not pour **BITUME 110/30** in receptacles containing water or any volatile product other than bitumen (fuel, solvents, etc...)
- In case of burns, immediately cool with cold running water, cover with a sterile gauze. Do not remove from skin.

#### Forbidden:

- Never check the level of the boiler with any form of fire or when smoking. Wear safety gloves and shoes.

### **Quality control:**

**SOPREMA** has always attached the highest importance to the quality of its products, to the respect of environment and men.

For this reason, we apply an integrated management of the Quality and Environment certified **ISO 9001** and **ISO 14001**.