

BITUME 100/40

BITUME 100/40 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 100/40 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 100/40 is composed of two numbers: 100 is the softening point value with the ring and ball method (expressed in °C) and 40 is the penetration value at 25°C (expressed in 1/10 mm).

User application

BITUME 100/40 is used for hot bonding process of waterproofing membrane on roof.

BITUME 100/40 is heated in suitable boiler at a temperature which not exceed 250°C.

BITUME 100/40, 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 100/40** with appropriate tools (bucket, etc...) and spread it out with a metal scraper.

Composition

	BITUME 100/40
Penetration at 25°C, 100 g, 5s 1/10 mm (NF EN 1426)	35 to 45
Softening point (°C) ring and ball method (EN 1427)	95 to 105
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 100/40 is packed in loaf of about 25 kg, wrapped with fusible plastic film.

BITUME 100/40 can also be delivered in bulk liquid form with truck 24 tons.

Special indications

Hygiene, health and environment:

Main dangers regarding the use of **BITUME 100/40** 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 100/40** 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**.