

## UNICHEM OXIDIZED BITUMEN 40/50

### OXIDIZED BITUMEN

UCA-MB-02-0722

#### DESCRIPTION

UNICHEM OXIDISED BITUMEN 40/50 grade is produced by passing air through soft bitumen under controlled temperature conditions. This oxidation process gives the bitumen more rubbery properties than penetration or hard grade bitumen, and enables the product to serve a variety of uses in industrial applications.

#### USES

- ❖ UNICHEM OXIDISED BITUMEN 40/50 is standard penetration grade bitumen usually used as a Paving Grade Bitumen suitable for road construction and for the production of asphalt pavements with superior properties. This grade of Bitumen is mainly used in the manufacture of hot mix asphalt for bases and wearing courses.
- ❖ The wide temperature range prevents bleeding in high temperature applications. It can also be used for industrial applications such as pipe coating, roofing, waterproofing, flooring, mastics, sound damping, carpet backing, adhesive and electrical applications. Blown Grade Bitumen shall be broken up into small pieces (for blown grade in molded cake form) and heated slowly to the application temperature of 180°C to 230°C.

#### ADVANTAGES

- Can be used as raw material for coatings, primers and waterproofing products

#### PACKAGING

UNICHEM OXIDISED BITUMEN 40/50. Packing is available as per customer's convenience. Unichem Chemicals & Asphalt W.L.L Bahrain manufactures UNICHEM OXIDISED BITUMEN 40/50 and is available in different types of packaging, mainly 200 kg drums and bulk.

#### TYPICAL PROPERTIES

PROPERTY	TYPICAL DATA	TEST METHOD
<b>SPECIFIC GRAVITY @25°C</b>	1.04 APPROX	ASTM D70
<b>PENETRATION @ 25°C (mm/10)</b>	40/50	ASTM D5
<b>SOFTENING POINT (°C)</b>	52/60	ASTM D 36
<b>FLASH POINT (°C)</b>	230 MINIMUM	ASTM D92
<b>SOLUBILITY IN CS<sub>2</sub> (WT%)</b>	99 MAX	ASTM D4
<b>LOSS ON HEATING</b>	0.2 MAX	ASTM D6

#### STORAGE & SHELF LIFE

UNICHEM OXIDISED BITUMEN 40/50 has 10 years validity with multi time heating and cooling .Please refer to MSDS for more information.

#### SAFETY PRECAUTIONS

Personal should use & wear protective mask, gloves and goggles during application.

It contains volatile solvent & has a low flash point. Care must be taken to ensure that there is adequate ventilation. Fires & naked flames are kept away from storage & application area.

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### LIMITATION OF LIABILITY

This information is based on our current level of knowledge. It is given in a good faith but it is not intended to guarantee any particular properties. The users must satisfy themselves that there are no circumstances requiring additional information or precautions or the verification of details given herein.

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