

# Bitumen

## Bitumen 40/50



Bitumen Penetration Grade 40/50 is a 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.

## Bitumen 50/70



Bitumen Penetration Grade 50/70 is a 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.

## Bitumen 60/70



Bitumen Penetration Grade 60/70 is a 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.

## Bitumen 80/100



Bitumen Penetration Grade 80/100 is a 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.

## Bitumen 85/100



Bitumen Penetration Grades per ASTM Bitumen Penetration Grade 85/100 is a 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.

# Other Grades

Penetration Grades	Paving Grades	Oxidized Grades	Cutback
Penetration Bitumen 20/30	Paving Bitumen Class 170	Oxidized Bitumen R10/20	Cutback Bitumen MC 30
Penetration Bitumen 35/50	Paving Bitumen Class 320	Oxidized Bitumen R85/25	Cutback Bitumen MC 70
Penetration Bitumen 40/50	Paving Bitumen Class 600	Oxidized Bitumen R95/25	Cutback Bitumen MC 3000
Penetration Bitumen 40/60		Oxidized Bitumen R85/40	Cutback Bitumen RC 30
Penetration Bitumen 50/70		Oxidized Bitumen R90/40	Cutback Bitumen RC 70
Penetration Bitumen 60/70		Oxidized Bitumen R115/15	Cutback Bitumen RC 250
Penetration Bitumen 70/100		Oxidized Bitumen R110/30	Cutback Bitumen RC 800
Penetration Bitumen 800/100			Cutback Bitumen RC 3000
Penetration Bitumen 85/100			
Penetration Bitumen 100/150			
Penetration Bitumen 160/220			

# Bitumen MSDS

## MATERIAL SAFETY DATA SHEET BITUMEN MSDS

[DOWNLOAD MSDS](#)

- Road Construction

1. Identification of substance and supplier Substance/preparation:  
Bitumen Supplier: No.705, Lake Central Tower, Al Abraj St., Business Bay, UAE  
Tel: +971 (04) 4296005-8  
Fax: +971 (04) 4296009  
Date of revision: AUG 2014

- Hazard Information

2. Composition/information on ingredients  
The product contains no dangerous substances according to EC Directive 67/548/EEC and further modifications and adaptations pointed out in this publication.

3. Hazardous identification  
Inhalation of vapor or mist can cause headache, nausea, irritation of nose and lungs. Eye Contact with material can cause slight irritation. Prolonged or repeated skin contact can cause slight skin irritation.

- Emergency Action

4. First aid measures  
Eye contact: If the substance has entered the eyes then irrigate with emergency eye wash solution (if available) or clean water for up to 15 minutes. Seek medical attention.  
Skin contact: Remove contamination with proprietary skin cleaner, followed by washing with soap and water. If irritation persists seek medical attention.  
Ingestion: If swallowed seek medical advice immediately. Do not induce vomiting.  
Inhalation: If inhalation occurs, remove the patient into fresh air. Keep warm and at rest.

5. Firefighting measures  
There are no risks of fire or explosion as the products identified are non combustible. The product is non-flammable but it can cause dangerous fumes if there is a fire. If necessary wear breathing apparatus

6. Accidental release measures  
Avoid skin contact, wear suitable protective equipment (see 8.1). Cleaning up: Extinguish sources of heat and fire. Cover leaks with absorbent material such as sand. Disperse left-over material with water or foam spray, do not use vacuum.

- Precautions

7. Storage & handling  
Storage: Store in unopened containers. Storage temperature limits are 1 deg c to 50 deg c.  
Handling: Avoid prolonged skin contact, avoid contact with eyes. Take usual hygiene measures. Ensure adequate ventilation.

8. Exposure controls/personal protection  
Personal protective equipment:  
a. Respiratory protection: Use breathing apparatus in case of inhaling vapours for a long-time.  
b. Hand & skin protection: Avoid skin contact by wearing protective clothing, for example waterproof gloves, overalls and boots. Change heavily contaminated clothing as soon as possible and launder before re-use.  
c. Eye protection: Wear waterproof protective glasses.

- Product Information

9. Physical & chemical properties  
FORM Solid  
COLOUR Black  
ODOUR Characteristic  
SPECIFIC GRAVITY 1.00  
SOLUBILITY IN WATER Dilutable  
ALKALINITY -PH N/A  
BOILING POINT/BOILING RANGE > 250°C  
MELTING POINT/MELTING RANGE > 100°C  
FLASH POINT N/A  
FLAMMABILITY & AUTO FLAMMABILITY N/A  
OXIDISING PROPERTIES N/A  
VAPOUR PRESSURE N/A

10. Stability & reactivity  
The product is stable in normal usage & storage conditions at environmental temperatures. Thermal decomposition or burning may release oxides of carbon and other toxic gases or vapours

11. Toxicological information  
See 10,

12. Ecological information  
There are no known Eco Toxic effects in the existing patterns of production, handling, storage and use.

13. Disposal considerations  
Coagulate the dispersion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

Additional Information

14. Transport information  
Not hazardous, Classification for conveyance - not required, Goods are None DG as per IATA regulations.