



Pilipinas Shell Petroleum Corporation

# BITUMEN 85-100

## ASPHALT CEMENT

### 1. Description

Shell Bitumen 85-100 is a high quality penetration grade asphalt derived from crude petroleum refining. It is dark in colour and possesses waterproofing and adhesive properties. It is substantially non-volatile and softens gradually when heated.

### 2. Uses

Shell Bitumen 85-100 is used as a binder of mineral aggregates in asphalt concrete and hot laid plant mix for highways, airports, parking areas, driveways and curbs.

#### Shell Bitumen 85-100 Typical Properties

	Test Method	Shell Specifications
Penetration @ 25 °C	ASTM D5	85 -100
Flash Point, COC, °C	ASTM D92	232 min
Ductility @ 25 °C, cm.	ASTM D113	100 min
Solubility in trichloroethylene, %	ASTM D2042	99 min
Thin-film oven test	ASTM D1754	
Penetration of residue, % of original		47 min
Ductility of residue @ 25 °C		75 min

### 3. Safe Handling and Storage:

#### 3.1 Handling:

- Use Personal Protective Equipment (PPE's) when handling (i.e. gloves, eye protectors, etc.)
- Maintain safe heating temperatures when using this product
- Avoid contact with skin, eyes and clothing.
- Avoid breathing vapour, spray or mists when applying.

#### 3.2 Storage:

##### 3.2.1 Drums

Keep drums in a cool, well-ventilated place.

##### 3.2.2 Bulk Storage

- Tanks must be specifically designed for use with this product.
- Tanks should be provided with a heating facility.
- Ensure heating coils are always well covered with product (min. 15 cm).
- Prevent ingress of water.
- Use lowest practicable storage temperatures and avoid through-draughts of air
- to minimise risk of generating a flammable condition in the tank space.

### 4. Packaging

Shell Bitumen 85-100 is available in bulk and 200 kg. drums.