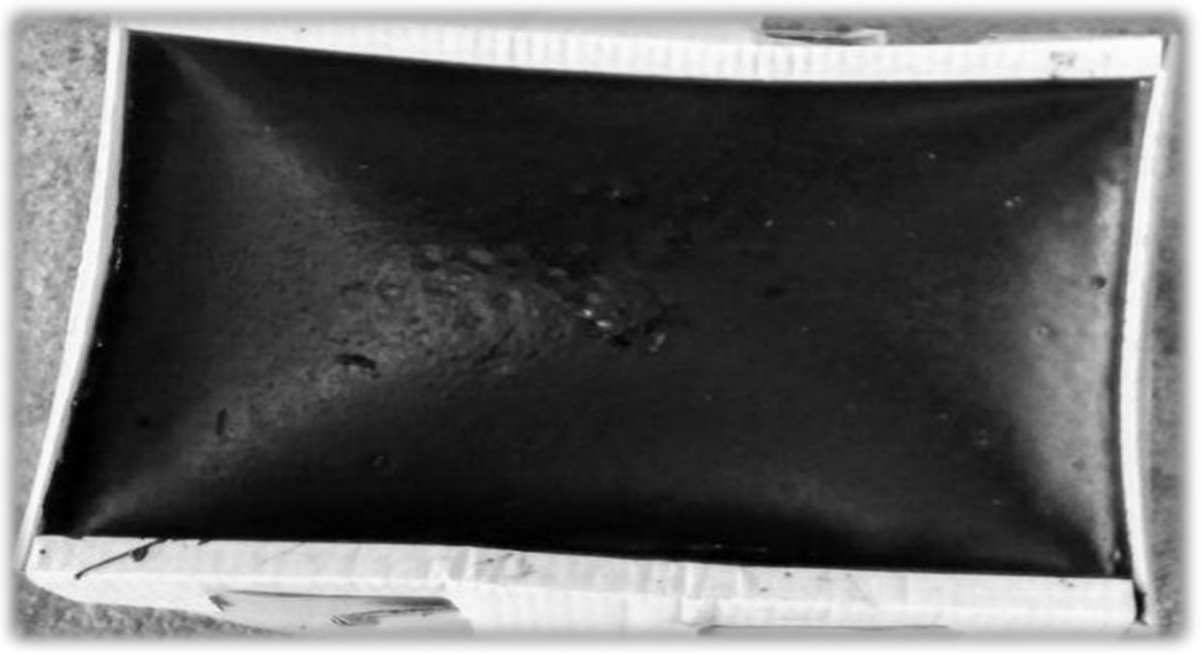


### **SPECIFICATION OF BITUMEN NUMBERS 10, 20 AND 30**

Bitumen grade 10 is most consumable hard asphalt which is semi solid grade of pure petroleum bitumen categorized in polycyclic aromatic hydrocarbons is normally used for different purposes in the construction business.



Bitumen number 10 uses in the chemical, fuel, paints, lacquers, **USES OF BITUMEN NUMBER 10** varnishes, paper-pulp-board, textile processing, road construction; pavement, crack seal and repairment, civil works, roofing, construction industries; sealing and insulating buildings, adhesive, construction materials additive, dust-binding, coating, insulating and impregnating agent, make rubber and plastic products. The blown asphalt 115/15 products are for paving, roofing; also used in asphalt based paints for



corrosion protection of metals, in lining public works structures, adhesives in electrical laminates, base for synthetic turf; typical uses for oxidized asphalt 115/15 include roofing, pipe coating, portland cement pavement, hydraulic applications, paint manufacturing.

The atdm is manufacturer of bitumen #10 in various packing **PACKING OF BITUMEN #10** including kraft bag, meltable plastic bag, drum and bulk, it is made by hot air in a controlled process until the desired specification is reached. The atdm bitumen #10 can be supplied in volume quantity as well. Bitumen #10 means softening point is 115°C and penetration is 15 desimillimeter is produced in compliance and conformity to astm standard and meets the following specification.

Atdm guaranty the quality of bitumen 10 with **GUARANTY/WARRANTY OF BITUMEN 10** arrangement of international inspector to check quality and quantity of the bitumen on each shipment during the loading to vessel and controlling the production by qc team via batch test report before shipping. Atdm guaranty the quality to meet with astm/en 13304:2009.

### **BITUMEN GRADE 30**

Bitumen grade 30 is softer grade compare bitumen number 10 with softening point of 30 +5 and softening point approx. 70C and it is available in bag and drum but in summer time it is risky to take it in bag due leakage of bitumen 30 inside of container. Bitumen No.30 is producing by bitumen #60 and after heating up and lost 5% of total weight the first grade of bitumen is number 30.

Bitumen number #40 is made by extract of bitumen #60 and it is very soft **BITUMEN NUMBER #40** grade of oxidised asphalt that should be packed in steel drum. It is flexible bitumen while the softening point is high. This type of asphalt is useful to use in road construction to keep the asphalt stable against hot season and movement.

1. For underground moisture, waterproofing works

**USES OF BITUMEN #10 #30 #40** 2. For nuclear power engineering, pipeline engineering, bottom anticorrosion, asphalt production of the production

3. For waterproofing membrane, moisture-proof paper production, etc.

4. For Anti-corrosion paint and waterproof production

5. Used for road and bridge caulking use

#### Data sheet of bitumen number 10&30&40

| Technical indicators  | No. 10 | No. 30 | No. 40 |
|---|--------|--------|--------|
| Penetration (25 ° C, 100 g, 5 s) / (0.1 mm)                     | 10~25  | 26~35  | 36~50  |
| The ductility (25 ° C, 5 cm / min) / cm is not less than        | 1.5    | 2.5    | 3.5    |
| <small>Softening point (ball method) / °C not less than</small> | 95     | 75     | 60     |
| Solubility (trichloroethylene) /% is not less than              | 99.5   |        |        |

|   |        |
|---|--------|
| Evaporation loss (163 ° C, 5 h) /% no more than         | 1      |
| After evaporation, the penetration ratio (25 ° C) /% is | 65     |
| not less than   |        |
| Flash point (open cup) / ° C not less than              | 230    |
| Boiler / ° C  | report |

#### OUR APPROVALS

