

## BITUMEN

### PENETRATION GRADE 35/50

#### Technical Data Sheet

#### 1. Description

Bitumen 35/50 is a high quality bitumen with the most modern industrial processes and using appropriate crude oils. It has an optimum viscosity in the range of temperatures for mixing and laying that guarantees easy workability of the products, even for high stress conditions.

The product meets the European standard EN 12591 and achieves the maximum level of hardening resistance.

#### 2. Uses

Bitumen 35/50, thanks to its very high performance in terms of resistance to aging, plasticity and behaviour at low temperatures, is employed to produce bituminous mixes constituting flexible structure for the paving of roadways, runways, pavement, track race and landing platform.

#### 3. Specification

N0	Properties	Unit	Range		Method
			Min	Max	
1	Penetration @ 25° C	1/10mm	35	50	EN 1426
2	Softening point, Ring&Ball	° C	50	58	EN 1427
3	PenetrationIndex	-	-1.5	0.7	EN 12591
4	Fraass Breaking Point	° C	-	-5	EN 12593
5	Specific Gravity25/25° C	-	1.00	1.10	EN ISO 3838
6	FlashPointCOC	° C	250	-	EN ISO 2592
7	DynamicViscosityat60° C	Pas	225	-	EN 12596 EN 13702
8	DynamicViscosityat 135° C	mPa.s	370	-	EN 13702
9	SolubilityinOrganic Solvents	%(m/m)	99.0	-	EN 12592
10	Resistance to hardeningRTFOT:	-	-	-	EN 12607-1
11	Increaseinsofteningpoint	° C	-	8	EN 1427
12	Retained penetration at25° C	%	53		EN 1426
13	Changeinmass(absolutevalue)	%		0.5	

**4. Safe Handling and Storage:**

- Approximate temperatures:
- Storage 160-170°C;
- Mixing 160-180°C;
- Compaction 150-170°C.
- The recommended maximum handling & storage temperature is 200°C.

**5. Drums:**

Keep drums in a cool, well-ventilated place.

**6. Packaging:**

Penetration graded Bitumen 35/50 is available in 180kg net weight drums, 0.6mm thickness, 95cm height and 45cm diameter (+/- 3kg operational tolerance)