Homan
Refined Supply

DOCUMENT TYPE
TECHNICAL DATA SHEET

STANDARD
JTG F40-2004 · 70# CLASS A

DOCUMENT REF.
HMN-TDS-AH-70

EFFECTIVE DATE
OCT 2026 · REV. 01

CLASS: PAVING GRADE (JTG F40)

# BITUMEN AH70

PAVING GRADE ASPHALT CEMENT

## DESCRIPTION

HOMAN Bitumen AH70 is a paving-grade asphalt specified to Chinese highway asphalt requirements (JTG F40-2004, Grade 70).

## KEY FEATURES

- Specified to Chinese highway asphalt requirements
- Penetration 60–80, PI −1.5 to +1.0
- Retained penetration after TFOT min 61%

## PRIMARY APPLICATIONS

- Expressway and high-grade highway construction
- Urban arterial road surfacing
- Bridge deck paving mixtures

INDEPENDENT VERIFICATION

SGS / EQUIVALENT

### INDEPENDENT INSPECTION

Pre-shipment inspection by **SGS** or an equivalent independent inspector available on request. A Certificate of Analysis (COA) is issued for every batch.

AVAILABLE PACKING

- NEW STEEL DRUM (180 KG)
- JUMBO BAG (1 MT)
- FLEXITANK (20 MT)
- BULK VESSEL

**RECOMMENDED:** Jumbo Bag — 20 MT per 20ft, zero residue at asphalt plants.

## SPECIFICATION LIMITS · JTG F40-2004 · 70# CLASS A

| SPECIFICATION | TEST METHOD | UNIT | LIMIT |
|---|---|---|---|
| Penetration at 25 °C, 100 g, 5 s | JTG E20 T 0604 | 0.1 mm | 60–80 |
| Penetration index (PI) | JTG E20 T 0604 | — | −1.5 to +1.0 |
| Softening point (R&B) | JTG E20 T 0606 | °C | Min 46 |
| Dynamic viscosity at 60 °C | JTG E20 T 0620 | Pa·s | Min 180 |
| Ductility at 15 °C, 5 cm/min | JTG E20 T 0605 | cm | Min 100 |
| Ductility at 10 °C, 5 cm/min [2] | JTG E20 T 0605 | cm | Min 20 |
| Wax content (distillation) | JTG E20 T 0615 | % m/m | Max 2.2 |
| Flash point (Cleveland open cup) | JTG E20 T 0611 | °C | Min 260 |
| Solubility in trichloroethylene | JTG E20 T 0607 | % m/m | Min 99.5 |
| Density at 15 °C | JTG E20 T 0603 | g/cm³ | 1.000–1.060 |
| AFTER TFOT / RTFOT (JTG E20 T 0609 / T 0610) | | | |
| Mass change | JTG E20 T 0610 | % | −0.8 to +0.8 |
| Retained penetration ratio | JTG E20 T 0604 | % | Min 61 |
| Residue ductility at 10 °C [2] | JTG E20 T 0605 | cm | Min 6 |

[2] Ductility limits at 10 °C vary with JTG F40 climate zone; shown values to be confirmed per project zone.

| HS CODE | ORIGIN | HANDLING | SAFETY | CONTACT |
|---|---|---|---|---|
| 2713.20 | Iran | Heat in controlled-temperature tanks; avoid local overheating. | SDS on request | info@homancorp.com |

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Values are specification limits per the stated standard; actual results are reported per batch on the Certificate of Analysis (COA).