

# TECHNICAL DATA SHEET

## MEDIUM OIL TOFA ALKYD RESIN

### AFAAQ ALKYD M-55

#### General Description:

AFAAQ ALKYD M-55 is a fast-drying medium oil alkyd resin based on Tall Oil Fatty Acid (TOFA) and supplied in white spirit. The resin is designed to provide an excellent balance of hardness, gloss retention, chemical resistance, and weather durability for industrial and protective coating applications.

Due to its medium oil length, AFAAQ ALKYD M-55 develops tougher and harder coating films compared with long oil alkyds while maintaining good application properties and adhesion. The resin is particularly suitable for industrial primers, machinery finishes, metal coatings, maintenance paints, and structural steel protective systems where durability and drying performance are critical requirements.

#### Characteristics:

SL. NO.	PROPERTY	TEST STANDARD	UNIT	TYPICAL VALUE
1	Oil Type	Internal	-	TOFA
2	Oil Content	Internal	%	50 – 54
3	Solvent	Internal	-	White Spirit
4	Appearance	ASTM E2680	Visual	Clear Pale Liquid
5	Non-Volatile Content (150°C, 1 Hour)	ASTM D1259	%	55 ± 1
6	Viscosity (As Such, 25°C)	ASTM D1545	Gardner	Z1 – Z5
7	Viscosity (50% NV, 25°C)	ASTM D1545	Gardner	W – X
8	Acid Value on Solids	ASTM D1639	mg KOH/g	≤ 8.0
9	Color (50% NV, 25°C)	ASTM D6166	Gardner	≤ 4.5

#### Applications:

- Industrial Primers
- Metal Coatings
- Machinery Paints
- Structural Steel Coatings
- Maintenance Paints
- Protective Coatings

#### Packaging:

Available in:

- 180 kg Steel Drums
- Bulk Tanker Deliveries

#### Storage:

Store in tightly closed original containers in a cool, dry, and well-ventilated area below 30°C. Avoid direct exposure to sunlight, sparks, open flames, and other ignition sources. Ensure adequate ventilation during storage and handling. Containers should be kept sealed when not in use to prevent solvent loss and contamination.

#### Shelf Life:

24 months from the date of manufacture when stored under recommended storage conditions in unopened original containers.

#### Health and Safety:

Refer to the latest Safety Data Sheet (SDS) before handling or use. Appropriate personal protective equipment (PPE), including safety glasses, gloves, and protective clothing, should be worn during handling and application. Avoid inhalation of vapors and contact with skin or eyes. Ensure adequate ventilation in working areas. Keep away from heat, sparks, open flames, and other sources of ignition.

#### Contacts us:

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