



PRODUCT INFORMATION

ULTIMEG 2000/380HF

ALKYD PHENOLIC
EXCELLENT ELECTRICAL PROPERTIES
HIGH BOND
FLASH POINT 63°C
CLASS H (180°C)
UL FILE NUMBER E220579

ULTIMEG 2000/380HF ALKYD PHENOLIC IMPREGNATING VARNISH

CLASS H

GENERAL DESCRIPTION

Ultimeg 2000/380HF is an alkyd phenolic which produces tough resilient insulating films with excellent electrical and bond strength characteristics at all operating temperatures up to Class H (180°C). The material is based in a solvent system that has a flash point of 63°C permitting the material to be transported without flammability precautions. The varnish gives excellent penetration into windings with clean drainage and low secondary drainage properties. Excellent tank stability, with slow evaporation rates mean it is well suited for low usage larger tanks. The cured product has exceptionally good resistance to moisture and insulating oils, together with full cure in the deeper sections of windings. Good flexibility is shown around fly leads, and compatibility with all normal insulating systems is achieved. Insulation systems are available for use in UL File No E321429 AEV155-1 and AEV180-1

APPLICATION

A quality general purpose varnish for impregnation of transformers. Chokes, relays and fields, together with most types of electrical motors.

SPECIFICATION:

VISCOSITY	130 - 160 secs B4 flowcup @ 25°C
NON-VOLATILE CONTENT	42 - 47%
SPECIFIC GRAVITY	0.92 - 0.94
FLASHPOINT	63°C
SHELF LIFE	24 months at 20°C

PROCESSING

METHOD	-	Cold, hot dip or vacuum impregnation
VISCOSITY	-	<u>Cold Dip</u> <u>Hot Dip</u> <u>Vacuum</u>
		65 - 160 secs 65 - 180 secs
REDUCER	-	AEV ULTIMEG 2000/ T60

NOTE: Due to the introduction of improvements from time to time the right is reserved to supply products that may differ slightly from those illustrated or described in this publication.

Email: aev@aev.co.uk
www.aev.co.uk

AEV Limited,
Marion Street, Birkenhead,
Wirral. U.K CH41 6LT
Tel: ++ 44 (0) 151 647 3322
Fax: ++ 44 (0) 151 647 3377



ULTIMEG 2000/380

THERMAL ENDURANCE

Method ASTM D 1932 on glass cloth, curved electrode

Intercept 25,000 hours 167°C

According to UL 1446 Intercept 20.000h on enamelled wires

WIRE TYPE

	Twisted Pair	Helical coil
Polyurethane & Nylon (MW-28, class 130)	130	155
Polyester & Nylon (MW-24, class 155)	155	180
Polyester imide (MW-30, class 180)	180	200
Modif. Polyester (MW-35, class 200)	180	200
& Amidimide		
Polyamide (MW-16, class 220)	220	180

CHEMICAL RESISTANCE Ultimeg 2000/380 shows outstanding resistance to moisture, salt spray, tropic and arctic conditions (according to MIL-I-24092, grade CB, type M, class 155, specification from U.S Navy) and to corrosive environments.

Unaffected after immersion.

ASTM D-115 on copper panels curing 2 H 150°C

24 h	25°C	Acetone
24 h	25°C	Xylene
24 h	25°C	Sulphuric Acid
24 h	25°C	Caustic Soda
168 h	25°C	Kerosene
48 h	110°C	Transformer Oil
336 h	25°C	Synthetic Lubricants SKYDROL 500

HEALTH & SAFETY

Refer to Material Safety Data Sheet available.

PACKAGING

210 ltr, 25 ltr, 5 ltr

AEV Limited Issue no. 1 Date: 01.14

NOTE: Due to the introduction of improvements from time to time the right is reserved to supply products that may differ slightly from those illustrated or described in this publication.

Email: aev@aev.co.uk
www.aev.co.uk

AEV Limited,
Marion Street, Birkenhead,
Wirral. U.K CH41 6LT
Tel: ++ 44 (0) 151 647 3322
Fax: ++ 44 (0) 151 647 3377



TECHNICAL BULLETIN

TECHNICAL BULLETIN

NOTE: Due to the introduction of improvements from time to time the right is reserved to supply products that may differ slightly from those illustrated or described in this publication.

Email: aev@aev.co.uk
www.aev.co.uk

**AEV Limited,
Marion Street, Birkenhead,
Wirral. U.K CH41 6LT
Tel: ++ 44 (0) 151 647 3322
Fax: ++ 44 (0) 151 647 3377**