

# ACROFLOR<sup>®</sup> 1500

ACROFLOR 1500 is a styrene-acrylic emulsion that provides a low -maintenance high gloss, durable floor coating with excellent resistance to chemicals, water, soil, and scuff and high wet film clarity.

**Chemical Nature**

Styrene-Acrylic emulsion

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**Properties**

**Typical Properties**

Appearance		White emulsion
Non-volatile at 145°C (2g, 30 minutes)	%	~ 37-39
pH (at 25°C)		~ 8.5 – 9.5
Viscosity (at 25°C)	cps	<50
Density (at 20°C)	lbs/US gal	8.9
MFFT	°C	68-72

\*These values should not be interpreted as specifications.

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**Application**

ACROFLOR 1500 is designed for application on commercial floors requiring long-lasting shine with the ability to be easily cleaned. On floors where traffic is high or exposure to cleaners is frequent, floor finishes with ACROFLOR 1500 will protect and perform throughout cleaning cycles. With ACROFLOR 1500's ability to retain gloss and appearance, floors will require less effort and maintenance to shine. ACROFLOR 1500 offers the formulator the ability to develop finishes with high wet film clarity.

Formulations can be optimized for a variety of flooring substrates such as vinyl, vinyl composite, terrazzo, and concrete and quarry tile.

**Starting Point Formula**

The following starting point formulation is recommended for an initial evaluation of ACROFLOR 1500. Additional optimization of the formulations may be desired to achieve maximum suitability for specific applications.

## ACROFLOR 1500 DURABLE HIGH GLOSS FLOOR COATING

Materials	Pounds	Gallons
<b>Add the following under agitation:</b>		
Water	311.81	37.39
Capstone <sup>1</sup> FS-60 (1% active)	7.73	0.93
Diethylene Glycol Ethyl Ether	45.77	5.55
Eastman TXIB <sup>2</sup>	11.85	1.51
Tributoxy Ethyl Phosphate	21.73	2.55
ACROFLOR <sup>®</sup> 1500	413.24	46.43
ACROFLOR <sup>®</sup> 10	46.57	5.63
FoamStar <sup>®</sup> ED 2522	0.09	0.01
<b>TOTAL</b>	<b>858.79</b>	<b>100.00</b>

<sup>1</sup>Trademark of The Chemours Company TT, LLC

<sup>2</sup>Trademark of Eastman Chemical Company

### FORMULATION ATTRIBUTES

Solids	~24 % by wt
Density	8.57 lb/US Gal (calculated)
Polymer/ASR/Wax	93/0/7

#### Formulation Guidance

ACROFLOR 1500 has the capability of being formulated without the addition of Alkali Soluble Resins (ASRs) based on the polymer design, balancing strippability with high performance and durability. Even though not required, ASR solutions can be incorporated without issue into floor finish formulations containing ACROFLOR 1500 if desired, with ACROFLOR 110 being recommended.

Floor finish formulations developed with ACROFLOR 1500 can be modified to achieve varying performance in dry time through consideration of cosolvent selection. Alternative glycol ethers like dipropylene glycol methyl ether (DPM) can be used in conjunction with diethylene glycol ethyl ether (DE).

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### Safety

#### General

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care and wearing of protective goggles.

#### Safety Data Sheet

All safety information is provided in the Safety Data Sheet for ACROFLOR 1500.

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### Storage

Please refer to the "Handling and Storage of Polymer Dispersions" brochure.

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