

ACROFLOR[®] 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

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.

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, luxury vinyl tile, terrazzo, 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
Add the following under agitation:		
Water	285.11	34.19
Hydropalat® WE 3225	0.69	0.08
Diethylene Glycol Ethyl Ether	56.83	6.82
Trisbutoxy Ethyl Phosphate	25.32	3.02
ACROFLOR® 1500	438.73	49.30
ACROFLOR® 10	54.34	6.59
FoamStar® ED 2522	0.08	0.01
TOTAL	861.10	100.00

Recommend adding 0.01 % Kathon™ CG / ICP biocide for shelf stability. Kathon™ is a registered trademark of Dupont.

FORMULATION ATTRIBUTES

Solids	~24 % by wt.
Density	8.61 lb/US Gal (calculated)
Polymer/ASR/Wax	92/0/8

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).

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.

Storage

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

Important

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BASF Corporation

Dispersions and Resins

11501 Steele Creek Road

Charlotte, North Carolina 28273

Phone: (800) 251 – 0612

Email: CustCare-Charlotte@basf.com

www.basf.us/dpsolutions