



Technical Data Sheet

RHOPLEX™ B-924 Floor Finish Polymer

Features & Benefits

- **Durability**—Properly formulated polishes based on RHOPLEX™ B-924 Floor Finish Polymer exhibit excellent resistance to scuffing, black heel marking, scratching, powdering and dirt pickup. In addition, this polymer combines a balance of high detergent resistance with easy removability.
- **Maintenance and formulating flexibility**—Properly formulated polishes based on RHOPLEX™ B-924 Polymer work well under mop/scrub/recoat maintenance. In addition, formulating flexibility allows polishes made with RHOPLEX™ B-924 Polymer to demonstrate very good response to spray buffing and UHS burnishing.
- **Recoatability**—Properly formulated polishes based on RHOPLEX™ B-924 Polymer can be recoated quickly, resulting in a substantial reduction in floor down time.

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Appearance		Milky-white liquid
Solids Content	%	38 ± 0.5
Minimum Film-Formation Temperature (MFFT)	°C	~73
pH		~8.0
Viscosity (Brookfield LVT, #1 Spindle, 60 rpm)	cP	< 100
Density @ 25°C	Lb/U.S. gal	~8.9
Specific Gravity		1.07
Ionic Charge		Anionic
Freeze/Thaw Stability	cycles	≥ 3

Description

RHOPLEX™ B-924 Polymer is an all-acrylic, metal-crosslinked, floor polish polymer that is specifically designed for areas where a combination of exceptional durability, good lay down gloss and formulation cost economy are required. RHOPLEX™ B-924 Polymer is an excellent choice for use in health care facilities where exceptional durability is needed, and those high-traffic facilities which receive low frequency maintenance, such as schools and office buildings.

RHOPLEX™ B-924 Polymer Formulation N-24-9 (20%)

Formulation N-24-9 is a suggested starting point formulation for an all-acrylic floor finish offering good gloss and excellent durability. This formulation has been optimized for durability but will respond to a variety of floor polish maintenance systems.

Material Name	Weight Percent	Lb/ 100 US Gal	Gal/ 100 US Gal
Water	45.68	390.82	46.83
KATHON™ CG/ICP Preservative	0.04	0.34	0.04
Capstone FS-65 fluorosurfactant ¹	0.05	0.42	0.05
CARBITOL™ Solvent – Low Gravity	3.30	28.28	3.42
UCAR™ Filmer IBT coalescent	2.18	18.63	2.35
Tri(butoxyethyl) phosphate plasticizer	2.08	17.78	2.10
RHOPLEX™ B-924 Polymer (38%)	41.70	356.99	40.11
Epolene E34N polypropylene polymer (40%) ²	4.95	42.34	5.08
Defoamer ³	0.02	0.17	0.02
Totals =>	100.00	855.77	100.00
Formulation Constants	Weights Solids	20%	
	Density	8.56	
	Polymer/Wax Ratio	89/11	

1. Recommended Wetting Agent: Capstone FS-65
2. Commercial Trade Names: Michem Emulsion 94340 (40%) and BYK Wax emulsion Aquacer 8940 (40%)
3. Recommended Defoamer: DEE FO PI 40 Münzing, info@munzing.us

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life and Storage

Store products in tightly closed original containers at temperatures recommended on the product label.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Health and Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com or consult your local Dow representative.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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