

SELECTION & SPECIFICATION DATA

Type	Self-leveling Epoxy Flooring
Description	Novocoat Novofloor is a versatile self-leveling resin topcoat or binder for decorative quartz broadcast and trowel-down flooring systems. It is 100% solids, fast-setting and moisture tolerant and offers good UV stability, impact and wear resistance for warehouses, food prep rooms, showrooms, utility rooms and more.
Features	<ul style="list-style-type: none"> • 100% solids, no VOCs • Good UV stability among epoxies • Excellent impact resistance and chemical resistance • Excellent durability • High gloss
Uses	<ul style="list-style-type: none"> • Warehouses • Food processing/packaging • Automotive service bays • Motor Control Centers (MCC)
Color	Light gray, dark gray, white, clear
Finish	Gloss
Dry Film Thickness (DFT)	10 - 25 mils; target thickness is 20 mils
Solids Content	100% solids by volume

SUBSTRATES & SURFACE PREPARATION

All	Surfaces must be clean, dry and free of contaminants.
Concrete or Concrete Masonry Units (CMU)	Concrete must be cured a minimum of 7 days at 75°F (24°C) and 50% relative humidity or equivalent. Prepare surfaces in accordance with SSPC-SP 13/NACE 6. Required surface profile is CSP 3-5. Voids in concrete surfaces may require filling. Mortar joints should be cured a minimum of 15 days. Prime with Novocoat SC1100 Primer/Sealer.
Previously Painted Services	Consult Armor Technical Service.

MIXING & THINNING

Mixing	Do not mix partial kits. Power mix separately, then combine and power mix.
Thinning	Spray: Up to 6.5 oz/gal (5%) with Novocoat TH1710 Thinner Brush: Up to 16 oz/gal (12%) with Novocoat TH1710 Thinner Roller: Up to 16 oz/gal (12%) with Novocoat TH1710 Thinner
Pot Life	1 - 1 1/2 hours at 40°F (4°C) 40 - 45 minutes at 75°F (24°C) 20 - 27 minutes at 92°F (33°C) Pot life is shorter at higher temperatures. A larger volume of mixed material will have a shorter pot life than a smaller volume.
Cleanup	MEK or Acetone

APPLICATION GUIDELINES

Spray Application Guide	The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.
Airless Spray Single Leg or Hot Pot	Pump Size: 65:1 or greater Output: 3500 – 5500 psi, filter removed Hose Length: 50 ft x 3/8-inch ID Whip Length: 10 ft x 1/4-inch ID
Roller or Squeegee	Use flexible serrated 3/16 in squeegee and spiked roller. High quality, shed resistant 1/4-inch nap mohair rollers designed for epoxy are also recommended.
Multiple Coats	This self-leveling floor coating is designed for ideal handling on horizontal surfaces. Multiple thin coats may be required to achieve comparable film thickness on vertical surfaces, such as curbs or coving. If additional coats are required after the recoat window, brush blast before applying the next coat. Small areas may be abraded by sanding or wire brushing.

CURE SCHEDULE & RECOAT WINDOW

Recoat window at 70°F (21°C)	4 hours
Light loading at 70°F (21°C)	5 hours
Immersion (aqueous) service at 70°F (21°C)	3 days
Full or chemical service at 70°F (21°C)	7 days

Return-to-service will vary with chemical exposure. Consult with Armor Technical Service for guidance.

PACKAGING, ESTIMATING & HANDLING

ITEM#	PRODUCT	PACKAGING
M-SF1000-1GLKT-01	Novocoat Novofloor Kit -Part A Resin -Part B Hardener (ONLY USE WITH PART A RESIN)	7 lbs (3.2 kg) / 0.74 gal (2.8 L) 2 lbs (0.91 kg) / 0.24 gal (0.9 L)
M-SF1510-1GLKT-01	Novocoat Novofloor Kit -Part A Resin, Light Gray -Part B Hardener (ONLY USE WITH PART A RESIN)	8.8 lbs (4 kg) / 0.69 gal (2.6 L) 1.9 lbs (0.85 kg) / 0.23 gal (0.9 L)
M-SF1510-4GLKT-01	Novocoat Novofloor Kit -Part A Resin, Light Gray -Part B Hardener (ONLY USE WITH PART A RESIN)	40 lbs (18 kg) / 3 gal (11.3 L) 8.4 lbs (3.8 kg) / 1 gal (3.8 L)
M-SF1520-1GLKT-01	Novocoat Novofloor Kit -Part A Resin, Dark Gray -Part B Hardener (ONLY USE WITH PART A RESIN)	8.8 lbs (4 kg) / 0.65 gal (2.5 L) 1.9 lbs (0.85 kg) / 0.23 gal (0.9 L)
M-SF1520-4GLKT-01	Novocoat Novofloor Kit -Part A Resin, Dark Gray -Part B Hardener (ONLY USE WITH PART A RESIN)	40 lbs (18 kg) / 2.9 gal (11 L) 8.4 lbs (3.8 kg) / 1 gal (3.8 L)
M-SF1560-1GLKT-01	Novocoat Novofloor Kit -Part A Resin, White -Part B Hardener (ONLY USE WITH PART A RESIN)	8.8 lbs (4 kg) / 0.65 gal (2.5 L) 1.9 lbs (0.85 kg) / 0.23 gal (0.9 L)
M-SF1000-4GLKT-01	Novocoat Novofloor Kit -Part A Resin -Part B Hardener (ONLY USE WITH PART A RESIN)	29 lbs (13 kg) / 3.1 gal (12 L) 7 lbs (3.2 kg) / 0.85 gal (3.2 L)
M-SF1560-4GLKT-01	Novocoat Novofloor Kit -Part A Resin, White -Part B Hardener (ONLY USE WITH PART A RESIN)	40 lbs (18 kg) / 2.9 gal (11 L) 8.4 lbs (3.8 kg) / 1 gal (3.8 L)

Theoretical Coverage 80 square feet per gallon at 20 mils. Allow for loss in mixing and application.

Storage & Shelf Life Maintain products in original packaging and sealed until ready for use. Estimated shelf life is 12 months when stored in a dry area at 70°F (21°C). Actual shelf life may vary with storage conditions.

If there is any question with respect to the quality of the components, check reactivity prior to use. For assistance consult with Armor.

SAFETY

Safety

Mixes and applications of this product present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and safety data sheets before using.

Ventilation

Provide thorough air circulation during and after application until the material has cured when used in enclosed areas.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	VALUE
Flash point	Resin: greater than 200°F (93°C) Hardener: greater than 213°F (101°C)
Specific gravity	Resin: 1.68 Hardener: 0.96
VOC	0 grams/liter
Hardness Shore D	80

SERVICE TEMPERATURE

SERVICE	MAXIMUM TEMPERATURE
Dry	220°F (104°C)

Temperature limitations will vary with chemical exposure. Consult Armor Technical Service for guidance.

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