



Benjamin Moore®

COROTECH®

HIGH PERFORMANCE

Flooring Systems Product Guide



Primer / Sealer

Penetration for Top Coat Adhesion

Epoxy

High-Performance Build and Protection

Product

V155 100% Solids Epoxy Pre-Primer



2-Component Epoxy

V156 Moisture Tolerant Quick Set Epoxy Sealer



2-Component Polyamide Epoxy

V440 Waterborne Amine Epoxy



2-Component Amine Adduct Epoxy

Product Type

Usage

A superior low-viscosity, clear penetrating primer that is an important first step for proper prep of bare concrete for heavy-duty and moderate industrial/commercial flooring systems. Also versatile as a barrier coat on previous finishes to ensure bonding of the subsequent recoat.

A fast-dry, waterborne polyamide epoxy formulated to provide superior chemical, abrasion and impact resistance when used on concrete floors. This product can be used as a stand-alone clear finish (two coats) or as a basecoat for high-performance floor systems. The highly cross-linked formula is suited for floors subject to severe conditions.

Moderate- to heavy-duty protection in commercial environments exposed to frequent foot traffic and occasional traffic of lightweight rubber-tired vehicles, intermittent spillage of mild chemicals, occasional steam cleaning and powerwashing.

Features

- Top coat with most products: epoxies, urethanes, acrylics
- Does not shrink
- Displaces moisture as it penetrates and seals
- Prevents outgassing and pinholes

- Quick-set formula that can tolerate some moisture in the masonry
- Water cleanup

- Water cleanup
- Easy application with excellent adhesion
- Very good resistance to water and chemicals
- Fast dry

Application Notes

Self-levelling 98% solids formula may be sprayed, brushed or rolled.

Brush and roll, or squeegee with back roll.

Ideal for application following acid etching; tolerant of light levels of moisture. Spray, roll or brush.

Dry Time (25 °C/77 °F)

To touch, 12 hrs. Recoat, 12 hrs. (max 72 hours).
*Recoat after 72 hours: Abrade the surface to ensure proper intercoat adhesion.

To touch, 2 hrs. Recoat, 3 hrs. (max 72 hours). When used as stand-alone sealer: light use, 3 days; moderate to heavy use, 5-7 days.
*Recoat after 72 hours: Abrade the surface to ensure proper intercoat adhesion.

To touch, 2 hrs. Recoat, 8 hrs. (max 72 hours) Full cure, 3-5 days.
*Recoat after 72 hours: Abrade the surface to ensure proper intercoat adhesion.

VOC (mixed)

< 50 g/L

< 100 g/L

< 250 g/L

Custom Colours

Clear only

Clear only

Available (Colour Preview® colorant)

Vol. Solids (mixed)

98.0%

31.0%

43.5%

Technical Data

Specular Gloss	65+ @ 60°
Mixing Ratio	3:1
Induction Time (25 °C/77 °F)	30 mins.
Pot Life (25 °C/77 °F)	3-4 hrs.
Wet Film Thickness	2.0 - 3.2 mils.
Dry Film Thickness	2.0 - 3.2 mils.
Practical Coverage (masonry)	46.5 - 74.3 sq. m. (500 - 800 sq. ft.)/3.79 L

Specular Gloss	45-55 @ 60°
Mixing Ratio	4.3:1
Induction Time (25 °C/77 °F)	None
Pot Life (25 °C/77 °F)	1 hr.
Wet Film Thickness	4.5- 5.3 mils.
Dry Film Thickness	1.4 - 1.6 mils.
Theoretical Coverage	27.9 - 32.5 sq. m. (300 - 350 sq. ft.)/3.79 L

Specular Gloss	85+ @ 60°
Mixing Ratio	3:1
Induction Time (25 °C/77 °F)	30 mins.
Pot Life (25 °C/77 °F)	2 hrs.
Wet Film Thickness	3.4 - 4.3 mils.
Dry Film Thickness	1.5 - 1.9 mils.
Theoretical Coverage	34.8 - 44.1 sq. m. (375 - 475 sq. ft.)/3.79 L

Epoxy

High-Performance Build and Protection

V400 Polyamide Epoxy



2-Component Polyamide Epoxy

A medium-build epoxy for moderate- to heavy-duty performance in commercial/ industrial environments exposed to heavy foot traffic and occasional traffic of lightweight rubber-tired vehicles, intermittent spillage of mild to heavier chemicals, occasional steam and chemical cleaning.

- Highly cross-linked film
- Resists many chemicals and solvents
- Suitable for immersion

Can be applied over most existing industrial coatings in good condition. Spray, roll or brush.

To touch, 6 hrs. Recoat, 10-12 hrs. Foot traffic, 24-48 hrs. Full cure, 7 days.

< 340 g/L

Available (IM colorant)

63.0% Gloss, 62.0% Semi-Gloss, 66.0% Hi Build

Specular Gloss	Gloss 85+ @ 60° Semi-Gloss 40-50 @ 60° Hi Build 65-75 @ 60°
Mixing Ratio	1:1
Induction Time (25 °C/77 °F)	30 mins.
Pot Life (25 °C/77 °F)	7 hrs.
Wet Film Thickness	Gloss/SG 3.2 - 4.0 mils. Hi Build 6.4 - 8.0 mils.
Dry Film Thickness	Gloss/SG 2.0-2.5 mils. Hi Build 4.2 - 5.3 mils.
Theoretical Coverage	Gloss/SG 37.2 - 46.5 sq. m. (400 - 500 sq. ft.)/3.79 L Hi Build 18.6 - 23.2 sq. m. (200 - 250 sq. ft.)/3.79 L

*Product available in lower-VOC formulation.

V410 Fast Dry Polyamide Epoxy



2-Component Polyamide/ Amine Epoxy

A high-build epoxy for moderate- to heavy-duty performance in commercial/industrial environments exposed to heavy foot traffic and occasional traffic of lightweight rubber-tired vehicles, intermittent spillage of mild to heavier chemicals, occasional steam and chemical cleaning.

- Rapid return to service (24 hrs. at 25 °C/77°F) with high build
- Can be applied down to 0 °C/32 °F, with 5-day cure

Spray, roll or brush.

To touch, 3-4 hrs. Recoat, 8 hrs. to a maximum of 21 days. Full cure, 24 hrs.

*Recoat after 21 days: Abrade the surface to ensure proper intercoat adhesion.

< 250 g/L

Available (IM colorant)

72.0%

Specular Gloss	Satin 35-40 @ 60°
Mixing Ratio	1:1
Induction Time (25 °C/77 °F)	30 mins.
Pot Life (25 °C/77 °F)	3 hrs.
Wet Film Thickness	3.2 - 4.6 mils.
Dry Film Thickness	2.3 - 3.3 mils.
Theoretical Coverage	32.5 - 46.5 sq. m. (350 - 500 sq. ft.)/3.79 L

V160 Epoxy Mastic



2-Component Polyamide Epoxy

A high-build epoxy that yields heavy-duty protection in harsh industrial/ commercial environments exposed to heavy equipment and foot traffic, constant moisture, intermittent strong chemical spills, and frequent cleaning with chemicals, steam and power washers.

- High-build film
- Suitable for immersion
- Outstanding abrasion resistance

Spray, roll or brush.

To touch, 4 hrs. Recoat, 12 hrs. to a maximum 6 weeks.

Full cure, 3-4 days.
*Recoat after 6 weeks: Abrade the surface to ensure proper intercoat adhesion.

< 200 g/L

Available (IM colorant)

79.0%

Specular Gloss	Semi-Gloss 45-55+ @ 60°
Mixing Ratio	1:1
Induction Time (25 °C/77 °F)	15 mins.
Pot Life (25 °C/77 °F)	2 hrs.
Wet Film Thickness	5.8 - 9.2 mils.
Dry Film Thickness	4.6 - 7.2 mils.
Theoretical Coverage	16.3 - 25.5 sq. m. (175 - 275 sq. ft.)/3.79 L

V430 100% Solids Epoxy



2-Component Cycloaliphatic Amine Epoxy

Heavy-duty protection from a 100% solids epoxy for demanding industrial/ commercial environments exposed to heavy vehicular and pedestrian traffic, constant moisture, intermittent strong chemical spills, and frequent cleaning with chemicals, steam and power washers.

- Self-levelling 100% solids formula
- Low VOC
- Tenacious adhesion to concrete
- Outstanding durability
- Smooth gloss finish

Apply with a squeegee with back roll, wearing spiked shoes

To touch, 6 hrs. Recoat, 12-24 hrs. Full cure, 7 days.

*Recoat after 24 hours: Abrade the surface to ensure proper intercoat adhesion.

< 50 g/L

Ready mixed colours only

100.0%

Specular Gloss	80+ @ 60°
Mixing Ratio	Colours 2:1 Clear 1.66:1
Induction Time (25 °C/77 °F)	None
Pot Life (25 °C/77 °F)	30 mins.
Wet Film Thickness	10.7 - 16.0 mils.
Dry Film Thickness	10.6 - 15.9 mils.
Theoretical Coverage	9.3 - 13.9 sq. m. (100 - 150 sq. ft.)/3.79 L

Urethane

High-Performance Appearance and Protection

V540 Waterborne Urethane



2-Component Acrylic Polyurethane

A durable finish delivering performance and appearance in industrial/commercial environments exposed to heavy-tired vehicle traffic, strong chemicals, and exterior weather conditions.

- Water cleanup
- Good durability

Spray, roll or brush

To touch, 1 hr. Recoat, 3 hrs. to 28 days. Full cure, 4-7 days.
*Recoat after 28 days: Abrade the surface to ensure proper intercoat adhesion.

< 100 g/L

Clear and white only

47.0% (white) / 43.0% (clear)

Specular Gloss	70+ @ 60°
Mixing Ratio	3.75:1
Induction Time (25 °C/77 °F)	15 mins.
Pot Life (25 °C/77 °F)	4 hrs.
Wet Film Thickness	3.2 - 4.6 mils.
Dry Film Thickness	1.5 - 2.2 mils.
Theoretical Coverage	32.5 - 46.5 sq. m. (350 - 500 sq. ft.)/3.79 L

V500/510 Aliphatic Acrylic Urethane



2-Component Aliphatic Acrylic Polyurethane

The ultimate in heavy-duty performance and appearance for demanding industrial and commercial environments that need a showroom finish. Stands up to constant traffic from heavy rubber-tired vehicles and wheeled equipment, the harshest solvents and chemicals, and exterior weather conditions.

- Superior chemical and solvent resistance (including Skydrol hydraulic fluid)
- Outstanding gloss and colour retention
- Outstanding abrasion and impact resistance

Spray, roll or brush

To touch, 2 hrs. Recoat, 8 hrs.-72 hrs. Full service, 24-48 hrs.
*Recoat after 72 hours: Abrade the surface to ensure proper intercoat adhesion.

Gloss < 250 g/L
Semi-Gloss < 340 g/L

Available (IM colorant)

V500 gloss 72.0% / V510 semi-gloss 61.0%

Specular Gloss	Gloss 85+ @ 60°
Mixing Ratio	SG 55-65 @ 60° 4.2:1
Induction Time (25 °C/77 °F)	15 mins.
Pot Life (25 °C/77 °F)	Gloss 3 hrs. SG 3-4 hrs.
Wet Film Thickness	3.2 - 4.6 mils.
Dry Film Thickness	Gloss 2.3 - 3.3 mils. SG 2.0 - 2.8 mils.
Theoretical Coverage	32.5 - 46.5 sq. m. (350 - 500 sq. ft.)/3.79 L

Prep & Repair

V600 Oil & Grease Emulsifier

Usage: Concentrated cleaner and degreaser, extremely effective in lifting, removing and capturing oil, grease, fats and animal by-products.

Features:

- Concentrated -- mixes with water for heavy-duty or light cleaning
- Penetrates deep to "lift out" residue
- Easily rinsed or vacuumed up with a wet/dry vacuum

Data:

Contains	Surfactant/Emulsifiers
Spread Rate/3.79 L	9.3 sq. m. (100 sq. ft.)
Mixing Ratio	11:1 Heavy-Duty 15:1 Light Cleaning
Dwell Time	15-30 min.

Finish Products

V630 Anti-Slip Aggregate

Usage: This specifically formulated anti-slip aggregate is designed to elevate the foot or wheel on a damp or wet surface, permitting the water to escape instead of causing the foot or wheel to hydroplane.

Features:

- Hard, angular granules for durability and slip resistance
- Lightweight and free of silica
- Compatible with all floor coatings
- Spark resistant

Data:

Contains	Nepheline Syenite
Particle Size	#16
Broadcast	By hand or other methods

Mix Ratio Table

PRODUCT NUMBER	PRODUCT NUMBER	MIXING	A COMPONENT	A COMPONENT	B COMPONENT	B COMPONENT	TOTAL VOLUME
A COMPONENT	B CATALYST	RATIO	ORDER SIZE	VOLUME	ORDER SIZE	VOLUME	MIXED YIELD
V157.80	V157.90	4:1	001 005	3.03 L 15.2 L	004 001	0.76 L 3.79 L	3.79 L 18.9 L
V160.xx	V160.90	1:1	001	3.79 L	001	3.79 L	7.58 L
V400.xx	V400.90	1:1	001	3.79 L	001	3.79 L	7.58 L
V410.01	V410.90	1:1	001	3.79 L	001	3.79 L	7.58 L
V430.00	V430.90	1.66:1	002 005	4.17 L 10.4 L	001 002	2.50 L 6.33 L	6.67 L 16.8 L
V430.xx	V430.90	2:1	002 005	5.04 L 12.6 L	001 002	2.50 L 6.33 L	7.58 L 18.9 L
V440.xx	V440.90	3:1	001 005	2.84 L 11.4 L	004 001	0.95 L 3.79 L	3.79 L 15.2 L
V500.xx	V500.90	4.2:1	001 005	3.03 L 15.2 L	004 001	0.76 L 3.79 L	3.79 L 18.9 L
V510.xx	V510.90	4:1	001	2.88 L	004	0.76 L	3.64 L
V520.xx	V520.90	5:1	001	3.15 L	004	0.64 L	3.79 L
V540.xx	V540.90	3.75:1	001	2.84 L	004	0.76 L	3.60 L
PRIMERS AND INTERMEDIATES							
V150.xx	V150.90	1:1	001	3.79 L	001	3.79 L	7.58 L
V155.00	V155.90	3:1	001	2.84 L	004	0.95 L	3.79 L
V156.00	V156.90	4.3:1	001 005	2.99 L 15.2 L	004 001	0.68 L 3.52 L	3.68 L 18.7 L
V163.01	V163.90	1:1	001	3.79 L	001	3.79 L	7.58 L



Benjamin Moore®



COROTECH®
HIGH PERFORMANCE



Commercial Flooring Systems

Benjamin Moore® Corotech® High-Performance Flooring Systems are designed for application by professionals in commercial and industrial facilities, as well as in select residential spaces. These products enhance appearance and provide lasting protection for cleaner, safer, brighter and more productive environments.

This ***Flooring Systems Product Guide*** will help you choose the right Corotech product for different projects and needs. Your Benjamin Moore Corotech retailer or Benjamin Moore specialty coatings representative can assist you further or guide you through unique project considerations, including the most important part of the flooring process – thorough and effective preparation.



Commercial Flooring Systems

Printed Literature

Corotech® Industrial Ready-Mix
Colour Selections Card

Corotech Product Guide
(includes all products)

Corotech Floor Systems
*Prep, Application &
Troubleshooting Guide*

Online Tools

- benjaminmoore.ca
- Technical data sheets
- Safety data sheets
- Guide Specs (CSI format)
- Floor Systems *Prep, Application & Troubleshooting Guide*
- MPI info by product

In-Person Support

- Benjamin Moore® Corotech®
retailers (locate the retailer
nearest you at benjaminmoore.ca)
- Call 1-866-708-9180

Add value to commercial, industrial and select residential spaces by protecting and beautifying the floors. From clear high-build epoxies that give depth and beauty to natural concrete, to pigmented thinner films that roll on with no special tools, Benjamin Moore® Corotech® flooring products enhance appearance and provide lasting protection.

This *Flooring Systems Product Guide* will help you choose the right Corotech product for your flooring project. For additional expert guidance, talk to your Benjamin Moore Corotech retailer or reference the tools and literature listed above.

To learn about the entire portfolio of Corotech high-performance primers, epoxies, urethanes and more, visit benjaminmoore.ca or talk to your retailer.

