

COATINGS

PRODUCT CATALOG

ULTRA DURABLE
TECHNOLOGIES

2024



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WELCOME TO



ULTRA DURABLE
TECHNOLOGIES
Manufacturing Innovative Coatings

Ultra Durable Technologies (UDT) is a Waite Park, Minnesota, company that has been manufacturing innovative coatings since 2008. UDT sets itself apart in the industry by being a private, family-owned company that provides distributors with high-quality, contractor-grade coatings and finishes at competitive prices.

The company ensures that its products are consistent, reliable, durable, and sustainable. We are committed to delivering excellent customer service with our extensive industry and product knowledge. Our products are ideal for concrete, terrazzo, VCT, LVT/LVP, tile and grout, and linoleum.

We provide distributors across the United States with a variety of floor coatings solutions including urethanes, epoxies, polyaspartics, and polyureas.



MC EPOXY

High Solids Epoxy



- Durable and chemical resistant
- Excellent adhesion to concrete
- Low odor & versatile
- Long recoat windows
- Color with UltraColor E/P pigments

Technical Data

Mixing Ratio	2A : 1B	Tensile Strength	8,500 psi
Packaging	3 Gallon & 15 Gallon Kits	Compressive Strength	11,000 psi
Solids Content	98% +/-2%	Shore D Hardness	73-78
Mixed VOCs	73 g/L	Taber Abrasion (CS-17, 1000 cycles)	40-45 mg loss
Mixed Viscosity	400-500 cps		

Attributes



Tintable



VOC < 100 g/l



Adhesion



Durable / Abrasion Resistant

MC = Multi-Color and Multi-Cure

The MC Epoxy product line was developed to be UDT's most versatile, economical, clear, two-component, 100% solids epoxies for a variety of interior applications. Easily pigment MC Epoxy with UltraColor E/P pigment packs and adjust the dry time by choosing either Fast Cure Part B or Standard Cure Part B. Select MC-UV Epoxy when additional UV protection is needed. MC has excellent flow for easy rolling, making it a favorite of contractors.

MC EPOXY Standard Cure

Proven adhesion, durability, versatility, and user-friendliness

Working time - 25 minutes

Dry time - 12 hours



MC-UV EPOXY UV Resistant

UV stability for clear, colored, and metallic projects

Working time - 25 minutes

Dry time - 12 hours



MC EPOXY Fast Cure

Fast dry and cold temperature alternative to the Standard Cure version

Working time - 17 minutes

Dry time - 7 hours



UltraSpartics

Aliphatic Polyspartic Coatings



- High gloss, durable and chemical resistant
- Non-yellowing aliphatic
- Low odor
- Versatile as primer, basecoat or topcoat
- Tintable with UltraColor E/P pigments

Technical Data

DESCRIPTION	US85-EXT	US85-FAST	US100
Mixing Ratio	1A : 1B	1A : 1B	2A : 1B
Packaging	2 Gallon & 10 Gallon Kits	2 Gallon & 10 Gallon Kits	3 Gallon & 15 Gallon Kits
Solids Content	85%	85%	100%
Mixed VOCs	160	160	20
Mixed Viscosity	150 cps	150 cps	375 cps
König Hardness	155	155	150
Taber Abrasion (CS-17, 1000 cycles)	25	25	36

Attributes



Tintable



Non-Yellowing/UV Stable



DOT and IATA (air) non-regulated



Adhesion



Durable / Abrasion Resistant



VOC < 50 g/l (US-100)

UltraSpartics

The UltraSpartic line of products are formulated primarily for top-coating abusive environments such as garages, warehouses, and production areas due to excellent bond strength, UV resistance, chemical resistance, and gloss retention. UltraSpartic coatings may be applied clear or pigmented with UltraColor E/P Pigment Packs to achieve a durable, solid-colored finish.

US85-EXT Extended Working Time

Low viscosity and excellent leveling make US85 very contractor-friendly

Working time - 25 minutes

Dry time - 8 hours



US85-FAST Quick Curing

Low viscosity and excellent leveling with fast and cold-temperature curing

Working time - 12 minutes

Dry time - 2 hours



US100 Low VOC/High Solids

Clear, thick builds up to 20 mils

Working time - 15 minutes

Dry time - 5 hours



UDT POLYUREA

Summer and Winter



- Low odor & low viscosity
- Quick scrape times
- Excellent opacity (hide)
- Universal Part B
- Non-hazardous / DOT & IATA (air) non-regulated

Technical Data

Mixing Ratio	2A : 1B	Mixed Viscosity	750 cps
Packaging	3 Gallon & 15 Gallon Kits	König Hardness	155
Solids Content	100%	Taber Abrasion (CS-17, 1000 cycles)	61 mg loss
VOCs	6	Tensile Strength	1982 psi

Attributes



Adhesion



Fast Dry Times



Durable/Abrasion Resistant



DOT and IATA (air) non-regulated



VOC < 50 g/l

UDT Polyurea

Summer and Winter Polyurea Basecoats

Ultra Durable's Polyureas were formulated by our in-house chemistry team to effectively address industry concerns related to polyurea coatings lacking adhesion. With its tenacious bonding technology, low VOCs, and rapid chip-scrape times, UDT Polyureas provide contractors the ability to quickly and successfully complete "one day" chip-flake projects.

Both formulations (Winter and Summer) are pre-pigmented in Mineral Gray & Medium Tan for convenience.

UDT Polyurea Summer

Long working times in warm temps (60-80F)

Working time - 25 minutes

Scrape time - 1.25 - 2 hours



UDT Polyurea Winter

Quick curing in low temps (30-50F)

Working time - 25 minutes

Scrape time - 1.25 - 2 hours



ULTRA HTS

High-Solids Urethane Topcoat



- Low odor and low VOC (50-state compliant)
- User-friendly and long working time
- Non-yellowing / UV stable
- Excellent scratch and abrasion resistance
- Extreme chemical resistance

Technical Data

Mixing Ratio	4A : 1B : 1C	VOCs	2 g/l
Packaging	Demo, 1.5 Gallon 4.5 Gallon Kits	Mixed Viscosity	450 cps
		Taber Abrasion (CS-17, 1000 cycles)	17 mg loss
Solids Content	94%	Tensile Strength	1140 psi

Attributes



Non-Yellowing/UV Stable



Tintable



Adhesion



Durable/Abrasion Resistant



DOT and IATA (air) non-regulated



VOC < 50 g/l

Ultra HTS

Ultra HTS is a high-solids, 100% aliphatic urethane topcoat formulated to provide extreme chemical resistance, UV stability, and durability for new and existing floor systems. Ultra HTS will protect floors from harsh chemicals like Skydrol, jet fuel, and abusive processes like forklift and vehicular traffic.

Ultra HTS has almost zero VOCs, an extremely low odor, and is tintable with UltraColor HTS pigment packs. Finally, Ultra HTS has a long working time and great leveling properties. With all of these characteristics, Ultra HTS is the most versatile product of its kind!

Ultra HTS 1.5 Gallon Kit

Coverage = 650 Square Feet
Great for most projects!

Working time - 30 minutes

Dry time - 8 hours



Ultra HTS Demo Kit

Coverage = 50 Square Feet
Convenient for Demos!

Working time - 30 minutes

Dry time - 8 hours



Optional – Add UltraColor HTS Pigments

Optional – Add 1 pint UDT Aggregate #120 for increased traction

Optional – Broadcast UDT Aggregate #60 for extreme traction

EPIC

Water-Based Urethane Topcoat

- One coat replaces multiple coats of acrylic
- Sustainable with dramatic resource savings
- Non-yellowing / UV stable
- Breathable and bonds directly to concrete
- Beautiful appearance in high gloss and matte
- Low odor and low VOC (50-state compliant)

Technical Data

Mixing Ratio	Parts: A (Gloss & Matte), A1 (4 hr/8 hr), B	VOCs	<50 g/l
		Mixed Viscosity	19 cps
Packaging	“Mini”, “Standard”, & “Contractor” Kits	Taber Abrasion (CS-17, 1000 cycles)	29 mg loss
Solids Content	46-50%	Tensile Strength	2185 psi

Attributes



Non-Yellowing/UV Stable



Excellent Adhesion



Durable/Abrasion Resistant



DOT and IATA (air) non-regulated



VOC < 50 g/l

EPIC

EPIC High-Performance Floor Finish is a water-based floor finish that offers the ultimate resilient flooring renewal and protection for several floor types. Unique to the market, it is an excellent alternative to wax that eliminates the need for stripping and buffing. Plus, EPIC does not need to be recoated for 3-5 YEARS or more after the initial application, even in high-traffic areas!

- LVT, Sheet Vinyl, & Linoleum - Keep the “no wax” appeal, improve cleanability, and restore appearance.
- VCT - Transform VCT into a “no wax” flooring that requires no buffing and frequent recoating.
- Tile & Grout - Create a protective barrier that makes grout easy to clean while eliminating odors.
- Concrete & Terrazzo - Protect against chemical staining and eliminate ongoing polishing and refinishing.

Contractor Kit

Rolling method coverage: 300-400 SF
T-bar/back-roll coverage: 600-800 SF

Dry Time	4 Hour	8 Hour
Pot Life	45 Minutes	90 Minutes



Standard Kit

Rolling method coverage: 150-250 SF
T-bar/back-roll coverage: 300-400 SF

Dry Time	4 Hour	8 Hour
Pot Life	45 Minutes	90 Minutes



Mini kit

Rolling method coverage: 30 SF
T-bar/back-roll coverage: 60 SF

Dry Time	4 Hour	8 Hour
Pot Life	45 Minutes	90 Minutes



MV Epoxy Primer

MV Epoxy Primer is a two-part, 100% solids, moisture-mitigation epoxy. This moisture-tolerant and VOC-compliant product limits the transmission of moisture, odor, and other elements through concrete slabs.



- MV emissions up to 23 pounds / 1000 ft² / 24 hrs
- Meets ASTM F3010 requirements
- Approved for 15 day fresh / green concrete
- Great primer for all UDT pigmented coatings

Packaging

2 Gallon &
10 Gallon Kits

Technical Data

Working Time	25 Minutes	Solids Content	100%
Dry Time	4 - 6 Hours	VOCs	0 g/l
Mixing Ratio	1A : 1B	Mixed Viscosity	400-500 cps

Attributes



Excellent Adhesion



Fast Dry Time



DOT and IATA (air) non-regulated



VOC < 50 g/l

UDT EPOXY PATCH ADDITIVE

UDT Epoxy Patch Additive is a very fine powder that is added to epoxy coatings (MC and MC-UV Epoxy) during the mixing process to achieve a thick-viscosity patching material.

UDT Patch Additive contains <1% silica and is formulated to release a minimal amount of silica dust into the air during the mixing process. Occupational exposure to crystalline silica dust may be associated with an increased risk for pulmonary diseases such as silicosis, tuberculosis, chronic bronchitis, chronic obstructive pulmonary disease (COPD), and lung cancer.



- <1% Crystalline Silica / Minimal Dust
- Adjustable Thickness
- Resists Sagging
- May be pigmented
- Non-hazardous/DOT & IATA (Air) non-regulated

Packaging

5 Gallon Pail
(11 lbs. of dry powder)

Attributes



May be Pigmented



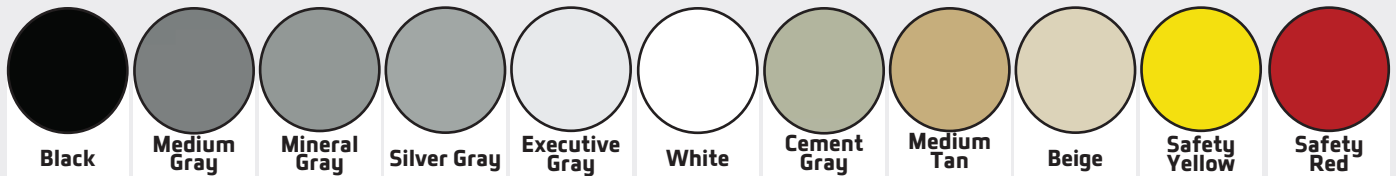
DOT and IATA (air) non-regulated

UltraColor Liquid Pigment Packs

UltraColor Pigment Packs are high-solids, low-VOC liquid pigment dispersions formulated to provide maximum hide and performance in UDT's coatings.

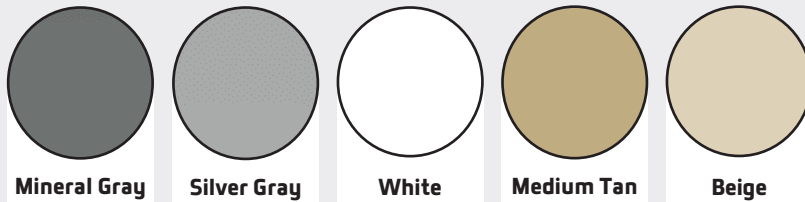
UltraColor E/P Pigment Packs

For tinting UDT's Epoxies and Polyaspartics



NEW UltraColor HTS Pigment Packs

For tinting Ultra HTS High-Solids urethane



Attributes



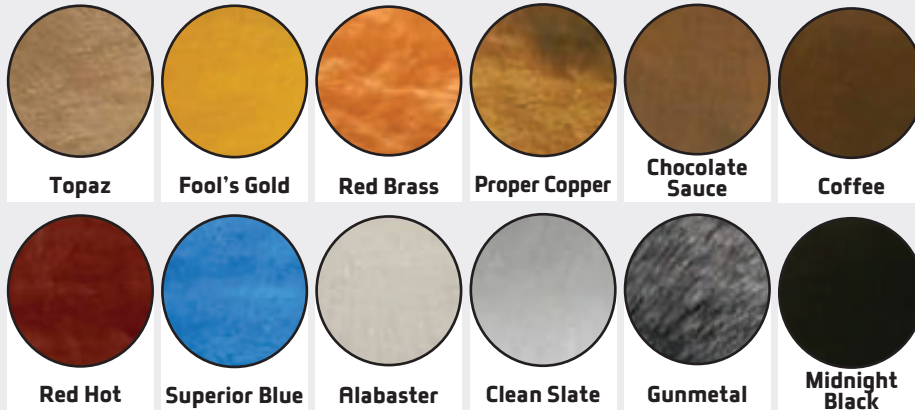
DOT and IATA (air)
non-regulated



VOC < 50 g/l

UDT Metallics

UDT Metallics are high-quality, dry, powdered pigments composed of mica particles coated with various specialty organic and inorganic pigments. Combine UDT Metallics with MC-UV Epoxy to provide brilliant, iridescent, three-dimensional effects that turn concrete floors into a work of art.



Attributes

- Excellent self-leveling in MC and MC-UV Epoxies
- Resists bubbles, outgassing, and "cometing"
- Great color movement
- Superb UV-resistance
- Compatible with UDT topcoats
- DOT and IATA (air) non-regulated

UDT Concrete Dye

UDT Concrete Dyes are formulated with unique, extremely- fine and transparent coloring agents designed to penetrate existing concrete quickly and easily. UDT Concrete Dyes produce a brilliant appearance without the odors and physical hazards associated with acid stains. Mixing colors will yield interesting effects with an unlimited range of color variations.



Attributes

- Intense colors
- Extremely easy to use
- Concentrated to reduce shipping costs
- Mix with water, acetone, or a combination
- Compatible with UDT's clear topcoats
- VOC < 50 g/l
- DOT and IATA (air) non-regulated



ULTRA DURABLE
TECHNOLOGIES
Manufacturing Innovative Coatings

OUR PURPOSE:

To develop sustainable relationships and products

OUR NICHE:

Manufacturing innovative coatings for a more sustainable future

OUR VALUES:

Service is #1

Deliver Consistent and Reliable Products

Value Innovation

Strive for Excellence

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