

MEDAMA

MEDAMA IRONCOAT

LVT, Terrazzo, VCT and Concrete Coating

Medama Ironcoat is a tough and resilient floor coating. Use on LVT, terrazzo, VCT, sheet goods, rubber floors and polished concrete for outstanding chemical resistance, incredible appearance, and maintenance cost savings advantages.

Outstanding Characteristics

- ◆ No special application training needed
- ◆ Apply with a flat head mop
- ◆ Smooth and fast leveling off the mop
- ◆ Use 1500 or 3000 diamond pad to build gloss, 1-2 passes
- ◆ Low frequency for re-polishing
- ◆ Excellent hand sanitizer resistance, no white spots and superior repairability
- ◆ Excellent mar and scuff resistance
- ◆ Very fast dry: 20-40 minutes per coat
- ◆ Two (2) coat application
- ◆ Excellent gloss retention



Additional Advantages

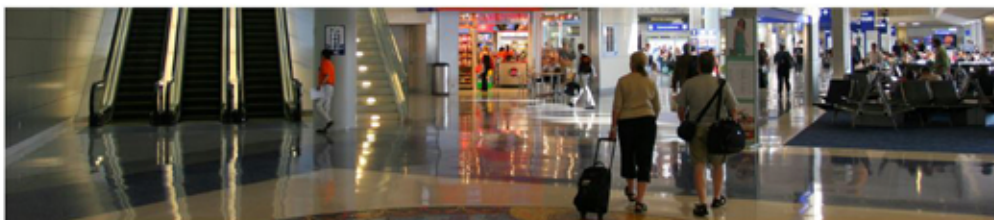
- ◆ Extended pot-life, 12 hrs
- ◆ Strippable with Medama Power Strip
- ◆ Floors clean faster
- ◆ Excellent adhesion properties
- ◆ Eliminate environmental dust caused from acrylic finishes and frequent burnishing
- ◆ Low odor
- ◆ Low VOC (<1%) and Rule 1113 complaint (<100g/l)
- ◆ Resists yellowing
- ◆ Clean with Medama Super Shield



Product Order # TMSIRONCOAT

Medama Ironcoat Mop-on Catalyzed Floor Coating

High Performance LVT, Terrazzo & VCT Sealer



Performance where you need it most!

Terrazzo and VCT are installed for extreme durability in high traffic areas. High traffic areas requires a fast dry and durable coating for demanding environments.

Terrazzo - No diamond grinding!

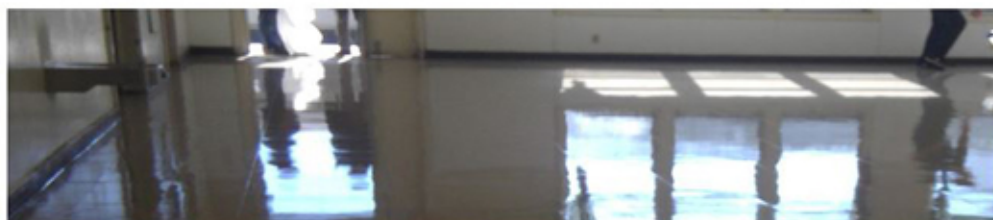
Terrazzo requires a coating to protect from stains and to prolong the life of the floor. Diamond grinding terrazzo floors has become a common way to maintain an acceptable appearance and gloss. However, diamond grinding has draw-backs. It is extremely labor intensive, not stain or chemical resistant, and can cause premature degradation of the floor.

VCT - Gloss in two coats!

VCT (vinyl composite tile) is composed of limestone, pigments, resin and plasticizer making it a very porous substrate and difficult to achieve a gloss coating. Until the introduction of Medama Ironcoat, other diamond pad coating systems have not been labor savers. Other polishing systems require several coatings, have short lived shine, and require frequent replenishing and diamond polishing.

The best of both worlds!

Medama Ironcoat provides the ease of application of a standrd acrylic coating with the performance of a premium grade roll-on urethane coating. No special training is needed, simply apply two coats with a flat micro fiber mop.



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PRODUCT ADVANTAGES



Mop-on Application

With Medama Ironcoat, there is no learning curve. Move right from traditional acrylic coatings to using Medama Ironcoat. Use a micro fiber flat mop for a smooth and easy application.

High Gloss Coatings

The best flat mop coating for fast gloss. Upon application, Medama Ironcoat will have a 50-60° gloss. After a quick two polishing pass with a burnisher and a 1500-3000 diamond pad the gloss will reach between 70-80° gloss on VCT and higher on terrazzo. Medama Ironcoat has a long lasting coating, typically lasting 8-10 times longer than other two component sealers.

Only Two Coats

The high solids formulation will provide maximum protection and gloss in only two coats.

Fast Leveling, Fast Dry, Fast Polish

Resists mop streaking and lines. Medama Ironcoat levels immediately off the mop, making it the choice for any application. Large open area, no problem. Heavy air flow, not a problem. The first coat will dry in approximately 15-20 minutes. The second coat dries in 20-40 minutes. After the two coats are dry, the burnish response is outstanding, allowing for the fastest floor turn-time and maximum protection.

Durability and Chemical Resistance

Medama Ironcoat has excellent scratch and mar resistance. It provides maximum protection with minimal maintenance. The chemical resistance is outstanding and hand sanitizer will not leave 'white spots' on the floor. Minor blemishes are easily polished away without sacrificing durability of the finish.

Save Money, Save Maintenance, Save Time

Medama Ironcoat floor coating answers the challenges of VCT and terrazzo floors. It is non-yellowing with low-odor, making it suitable for most environments. Coverage per one (1) gallon kit is 1600-1800 square feet.

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PHYSICAL PROPERTIES & RESISTANCES

Coating Type	High performance 2-part urethane
Application Method	Micro fiber flat mop
Dry Time	20-40 minutes, per coat
Coats Recommended	2
Solids - By Volume % (Catalyzed)	25± 0.5%
Pot-life	8 hrs, at room temperature
Coverage	1600-1800 SF per gallon kit
Weight Per Gallon (Catalyzed)	8.55-8.60
VOC's	< 1% Consumer Goods Regulations < 10 g/l Architectural Regulations
Gloss @ 60° Angle	70-80° polished, two passes
Blush Resistance	Excellent
Cure Cycle - Average (Note: Minor scuffs or mar that may occur are easily repairable with quick polish)	2 hrs dry, no polish (50-60%) / 2 hrs dry, with polish (75%) 6-10 hours, with or without polish (80-85%) 36-48 hrs (90-95% cured) / 5 days (full cure)
Scuff/Mar Resistance & Repair	Excellent
Black Heel - Resistance & Release	Excellent
Adhesion (Crosshatch Test)	Pass 100%
SCOF	ADA Compliant >0.60
Hardness	8-9H (pencil)
Impact Resistance	Flexible - No Cracking

CHEMICAL RESISTANCE

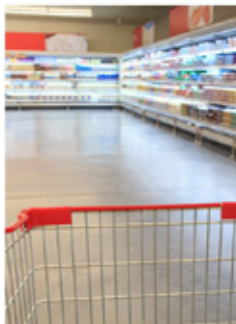
Betadine (15 min spot)	Minor effect, slight stain
Chlorine Bleach	NE
Citrus Based Cleaner	NE
Cleaner - Acid Based	NE
Cleaner - Amine base, concentrate	Minor effect, recovered
Hand Sanitizer - Foam	Minor effect, repaired with polish
Hand Sanitizer - Gel-Type	NE
Hydrogen Peroxide	NE
IPA (70%) (15 min. spot)	Slight effect, recovered
Mustard, Yellow	Minor effect, very faint stain
Red Wine	Minor effect, clean non-amine cleaner, very faint stain, repairable
Water, Early Resistance (<12 hrs)	NE
Vinegar, Apple Cider	Minor effect, repaired with polish

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MOP-ON FLOOR COATING VS. SCOTCHGARD STONE FLOOR PROTECTOR

APPLICATION PROCEDURES	MEDAMA IRONCOAT MOP-ON		COMPARISON	3M SCOTCHGARD STONE FLOOR PROTECTOR (Trizact)	
Diamond Polish Process	Yes		Medama Ironcoat on LVT, terrazzo, and VCT is consistently 20-30 degrees higher gloss than Trizact system, with or without polishing. In addition, Medama Ironcoat does not require diamond grind process to achieve great shine.	Yes	
Recommended coats	2			2	
Solids	High solids - 25-26%			Low solids 3.5-11%	
Diamond grind prep recommended	No			Yes	
Diamond pads recommended	3000 or 1500 diamond pad (Note: 3000 diamond pad = higher gloss)		Medama Ironcoat does not require proprietary pads. Note: Trizact purple diamond pad leaves residual 'haze'.	1500 purple diamond pad	
Diamond pad polishing process	Coat, Coat, 2 passes		Medama Ironcoat has higher gloss and greater DOI (depth of image) with less polishing	Coat, 6 passes, Coat, 6 passes	
Gloss with no polish @ 60° angle	50-60° gloss			30-40° gloss	
Gloss with polish @ 60° angle	70-80° gloss			40-50° gloss	
Polishing maintenance frequency	Frequency	Annually	Trizact is extremely costly. It has very low solids, extensive polishing requirements, and frequent finish reapplications. Little to no maintenance costs are saved, over using traditional acrylic finishes.	Frequency	Annually
Very High Traffic	1 to 2 month	12-24		5-7 week	250-350
High Traffic	once / month	9-12		2-4 week	100-200
Medium Traffic	every 2 months	6-9		4-5 month	48-60
Low Traffic	every 6 months	2-3		1-2 month	12-24
Coating reapplication frequency	Frequency	Annually	Medama Ironcoat will provide dramatic savings. Save on burnishing/polish labor. Save on diamond pad consumption, and save on coating reapplication.	Frequency	Annually
Very High Traffic	once / 6 mo.	2		once/week	52
High Traffic	once / 9 mo.	1+		1-2 times/month	12-24
Medium Traffic	once / 12 mo.	1		every 2 months	6
Low Traffic	once / 18 mo.	<1		every 4-5 months	3



MEDAMA IRONCOAT IS SUPERIOR IN ALL ASPECTS OF PERFORMANCE & MAINTENANCE

Medama Ironcoat Mop-on Catalyzed Floor Coating

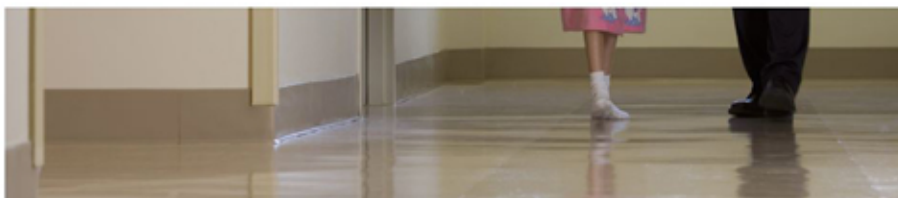
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APPLICATION INSTRUCTIONS

For best results it is recommended that the surface be stripped, cleaned, dry and dull to ensure proper adhesion and best appearance of Medama Ironcoat.

1. Remove all furniture and obstructions from the room.
2. Remove existing finishes with Medama Power Strip.
3. For faster gloss build (optional), burnish the bare floor with a 400 grit diamond pad with high speed burnisher twice, opposite directions. This step will 'lock-up' some of the porosity of the terrazzo or VCT, resulting in a higher gloss upon completion.
4. After preparation is complete, with a clean damp micro fiber mop, mop in two directions; north/south then east/west. This will remove any small particles and dust from burnishing.
5. Tape doorway edges or any other areas to protect from coating drips or smears.
6. Open the gallon Part A container.
7. Pour 16 oz. Part B into Part A.
8. Replace cap and gently agitate the gallon container with a rocking motion.
9. Pour a puddle of the catalyzed Medama Ironcoat on the floor.
10. Place the clean/dry micro fiber mop in the puddle. Move the mop head back and forth into the puddle until the mop is completely saturated (primed) with floor coating.
11. Pour a controlled amount of Medama Ironcoat on the floor and apply either in a figure-8 or t-bar method. Note: Apply product very thinly, approx. 1 mil (coverage 1600-1800 SF/gal).
CAUTION: Overbuild can result in extended dry times, pooling in low areas, and surface flash drying.
12. Wrap mop head in plastic bag. Set aside the mop for applying the 2nd coating.
13. Allow Medama Ironcoat to thoroughly dry. Dry times will vary based on temperature, humidity and air movement.
14. Apply a second coat of Medama Ironcoat with the primed out micro fiber mop.
15. Allow coating to dry.
16. Polish the area with a 1500 or 3000 grit diamond pad, twice, opposite directions.
17. With a clean and dry micro fiber mop, dust mop floor twice in opposite directions.

The floor is now ready. Daily clean with Medama Super Shield. Protect heavy traffic area with matting. Use floor protection pads under desk chairs. Use chair leg protectors.



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DAILY MAINTENANCE & REPAIR TIPS

Daily cleaning: Maintain Medama Ironcoat using Medama Super Shield at 1 oz. per gallon of water.

Pads recommended for daily cleaning: Use nonabrasive type pads. The softer and non-abrasive the pad, the longer the coating will last. Abrasive pads contribute to the degradation of the film layer of Medama Ironcoat. Use more aggressive pads only in deep scrub and/or repairs.

Repairing minor scratches: Start with a 3000 grit diamond pad. With a high speed burnisher, move back and forth across the area around the blemished area. If the 3000 pad is not coarse enough to remove deeper scratches, switch to a 1500 diamond pad. Dust mop the area with a clean micro fiber flat mop, twice in opposite directions.

Repairing deep scratches without stripping coating: Occasionally, there will be a need to repair areas where deep scratches have occurred. If the scratch and/or gouge is deep into the floor, extra steps are expected to 'blend' the damaged area into the existing coated area. Equip a 200 grit diamond pad on a high speed burnisher. Quickly move the burnisher back and forth until the gouge is blended into the existing floor area. The 200 grit pad will be aggressive enough to cut through the coating while at the same time keeping the edges around the area feathered out, aiding in an easier transition of the reapplication. When the gouge is blended, follow up with conditioning the area with a 400 or 800 grit pad on the burnisher. This step will decrease the porosity of the surface in the repaired area, allowing for the new coating to blend more closely to the adjacent coated area. Next, visually section off an area around the repaired area for coating reapplication. Follow the standard preparation and application procedures for Medama Ironcoat. After the coating is applied and dry, use a 1500 or 3000 diamond pad on burnisher to blend the old and newly coated areas.

Chemical blemishes: Occasionally, chemicals can blemish an area of the floor, this is the most common with foam based hand sanitizer. After the chemical has been gently wiped away, allow the coating to recover and set. Then, with Medama Super Shield mixed at 8 oz. per gallon, gently wipe any greasy film residue. Allow the floor to dry. After the area has dried, with a burnisher and a 3000 grit diamond pad, recondition the area.

Refinishing without complete removal: Deep scrub with Medama Super Shield (1 oz. per gallon water) using 800 grit diamond pad on low speed swing machine. Rinse with clean water. Use autoscrubber for best results. Dust mop the area with a clean micro fiber flat mop, twice in opposite directions.

Complete removal and reapplication: Use Medama Power Strip at 4-parts water to one-part stripper. Follow standard procedures for floor coating removal. Reapply Medama Ironcoat.

