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GOOJAR MAL GANPAT RAI PVT. LTD.

3M DI-NOC™ Architectural Finishes

Indian Collection
2023

Beautiful, sustainable – easy to clean and disinfect.

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3M™ DI-NOC™ Architectural Finishes are highly specialized self-adhesive films that can be easily applied to most surfaces.

We now bring to you the beauty of 48 finishes stocked in India by GMGR. A carefully selected collection that embodies the essence of the full range, to inspire your masterpiece.

The full selection of 3M™ DI-NOC™ can still be supplied from Japan which contains over 1000+ different finishes.

We use advancements in science so you can capture the worlds natural beauty without sacrificing a forest or your creative ideals. You can create a stunning new space quickly, easily, and sustainably or breathe new life into an existing surface almost overnight. The nonporous surface of DI-NOC Architectural Finishes is not just beautiful but easy to clean and disinfect. There are no boundaries. No limits. Only your imagination.

Create your masterpiece.

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Flexibility & Adaptability

Refinish existing structures to create a new look and feel while reducing demolition waste.

New constructions, create affordable alternatives to using precious natural resources. Giving consistant finishes and the freedom of choice for you to maintain the creative look you desire.

Workability

Versatile, easy-to-use film, ideal for application to a variety of different surfaces and shapes. Apply films with minimal down time, noise, dust and site preparation.

Easy to Clean & Disinfect

Durable, non-porous surface that are easy to clean and maintain.

Functionality

3M Architectural Finishes can be easily cleaned and disinfected for added peace of mind without deterioration of the surface finish. Tested and compatible with typical commercial cleaners and disinfectants.

Ready to create your masterpiece

Samples of the Indian Collection and of the full 3M™ DI-NOC™ Architectural Finishes can be obtained through GMGR.

Swatches in this brochure are indicative, please contact GMGR Representative to request a swatch. Contact details can be found at the end of this document.

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DRY WOOD

Dry Wood series utilises the latest technology available. With a new state of the art matte surface, the Matte Series offers realistic texture by converting incident light into diffuse reflection and unsurpassed specular reflection. This series also provides fingerprint resistance.

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DRY WOOD

DW-2214MT

DW-2221MT

DW-2204

Diffuse Reflection
The new state of the art matte surface converts incident light into diffuse reflection, providing very low gloss and a deep, high quality matte texture.

Fingerprint Resistant
The matte texture provides fingerprint resistance, reducing the visibility of fingerprint with an easy to maintain surface.

Tactile Feature
A realistic matte texture is created by combining the matte coating technology with high definition embossing technology.

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Colour may vary from sample.

FINE WOOD

Fine Wood series resembles natural wood to an astonishing degree also incorporating a light embossed finish that mimics highly finished real world timber while also being easy to clean and install. Fine Woods can be used to create contrast and bring drama to your designs.

FINE WOOD


FW-1738


FW-1113


FW-236


FW-332


FW-237


FW-677

WOOD GRAIN

Wood Grain features a deep wood grain embossing that mimics natural timber texture while also being easy to clean and install. Wood Grains are great at creating architectural features and with many different types of uncommon wood finishes. This range can deliver the look you want, at the price you need.

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WOOD GRAIN

WG-1815

WG-1703

WG-697

WG-2705

WG-1145

WG-709

WG-947

WG-763

WG-845

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Colour may vary from sample.

METALLIC

Metallic series is a lightweight alternative to using expensive and traditionally hard to work with materials, giving you finishes that won't corrode over time.

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METALLIC

ME-1684

ME-1223

ME-1225

ME-396

ME-904

ME-380

ME-391

ME-2024

ME-486

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Colour may vary from sample.

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METALLIC

This series offers pre oxidized finishes keeping your design intent for the life of the project. Create a more fluid space with metallic finishes.

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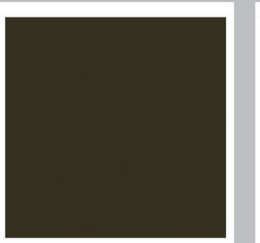
METALLIC

PA-683

PA-180



PA-185

PA-320

METALLIC HAIRLINE

VM-1692

VM-1694

VM-1693

CH-1629

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Colour may vary from sample.

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STONES

Concrete and Stone Series give a realistic appearance without the hustle of cleaning soiled group joints. Offering the flexablity of a lightweight material that looks strong, bringing a demanding presence to any space.

Matte finishes (MT) utilizes the latest technology available. With a state of the art matte surface, the Matte Series offers realistic texture by converting incident light into diffuse reflection and unsurpassed specular reflection. This series also provides fingerprint resistance.

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STONE

AE-2152MT

AE-1959

ST-1911MT

Diffuse Reflection
The new state of the art matte surface converts incident light into diffuse reflection, providing very low gloss and a deep, high quality matte texture.

Fingerprint Resistant
The matte texture provides fingerprint resistance, reducing the visibility of fingerprint with an easy to maintain surface.

Tactile Feature
A realistic matte texture is created by combining the matte coating technology with high definition embossing technology.

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Colour may vary from sample.

FABRIC

Anchor your design to its space and bring a natural and tactile experience to your designs with Suedes, Leathers, or Textiles. As a wall finish these films are exceptional for their cleanability and durability compared to traditionally used materials. These finishes will add a formal tone and set the area apart from others within the space.

TEXTILE

NU-2006

NU-2009

NU-2010

Diffuse Reflection
The new state of the art matte surface converts incident light into diffuse reflection, providing very low gloss and a deep, high quality matte texture.

Fingerprint Resistant
The matte texture provides fingerprint resistance, reducing the visibility of fingerprint with an easy to maintain surface.

Tactile Feature
A realistic matte texture is created by combining the matte coating technology with high definition embossing technology.

Colour may vary from sample.

SINGLE COLOUR

Creating a colour contrasting space is quite common and Single Colour finishes give you the option to play with lighter and darker shades or match existing surfaces to common colours that complement to create stunning interiors.

SINGLE COLOUR

PS-952

PS-1447

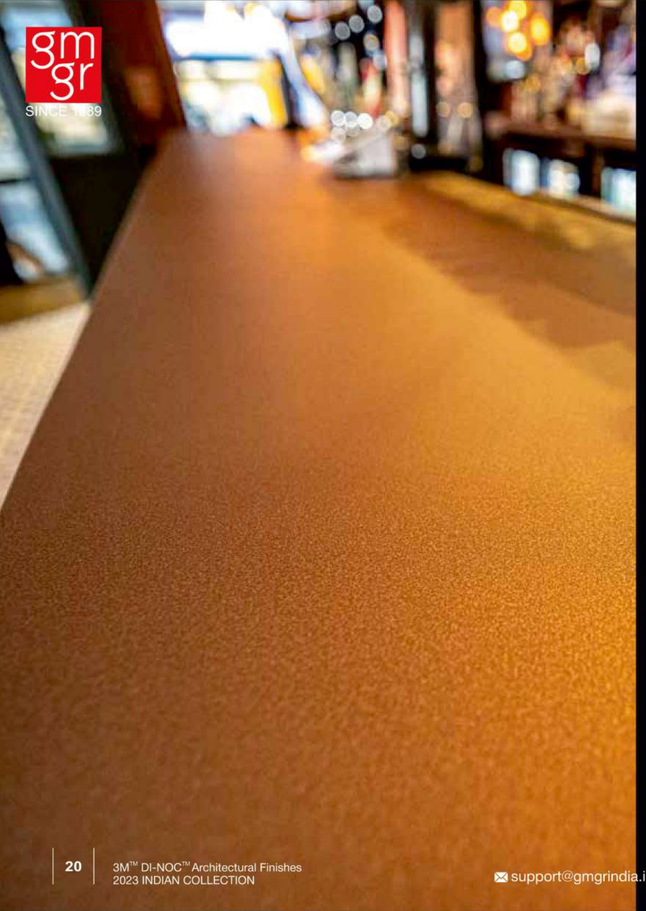
PS-1187

PS-954

PS-1437

PS-3100MT

PS-949



3M™ DI-NOC™ Architectural Finishes

Case Study 2021
Ned Ludd Public House, United Kingdom

CASE STUDY SUMMARY

Challenge: New proprietors wanted to update The Ned Ludd pub and stamp their mark on the décor cost-effectively.

Benefits: 3M™ DI-NOC™ Architectural Finishes delivered an installation that was fast and affordable. It transformed tired, existing surfaces without sending them to landfill, reducing the environmental impact of the project. It has also left the surfaces easy to clean and disinfect. The fast transformation meant refurbishment could happen out of operational business hours saving the company in lost earnings.

Product Selection: 3M™ DI-NOC™ Architectural Finishes

"DI-NOC has quite simply transformed our bar, the finishes feel sumptuous and installation was hassle free!"

Adam Cropper, The Ned Ludd

Installed by: Interiart. December 2020, UK

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3M™ DI-NOC™ Architectural Finishes

Case Study
Ned Ludd Public House, United Kingdom

CASE STUDY SUMMARY

Challenge: Owners wanted to ensure that the main surfaces and touch points of the pub were easy to clean and disinfect in a cost-effective and expeditious way.

Benefits: 3M™ DI-NOC™ Architectural Finishes delivered an installation that was fast and affordable. It transformed tired, existing surfaces without sending them to landfill, reducing the environmental impact of the project. It has also left the surfaces easy to clean and disinfect. The fast transformation meant refurbishment could happen out of operational business hours saving the company in lost earnings.

Product Selection: 3M™ DI-NOC™ Architectural Finishes

"We found DI-NOC has given us the copper top we wanted but couldn't afford, we've got that real metal feel with zero hassle and downtime, DI-NOC has quite simply transformed our bar, the finishes feel sumptuous and installation was hassle free. And lastly, we are able to save on cost."

Adam and Amanda, owner of Ned Ludd Public House, United Kingdom.

TECHNICAL INFORMATION

DI-NOC Series Selection

It is important to consider the intended use when selecting DI-NOC patterns. Please refer to the most up-to-date 3M™ DI-DOC™ Architectural Finishes Technical Data Sheet and Installation Guide, which can be found by visiting 3M.com/AMD. You may also contact your 3M Sales Representative for additional information.

Product Characteristics

The values in these tables are typical and are based on test data deemed reliable but are not warranted.

Characteristic		Value
Material	Film	Vinyl (most finishes)
	Adhesive	Pressure-sensitive acrylic, permanent
	Release Liner	Silicone-coated poly paper
Thickness	Film + Adhesive	8 mils (200 microns) nominal, not including release liner; Some designs vary slightly in thickness due to embossing
	Release Liner	6.2 mils (157 microns)
Maximum Roll Size	Standard	48 in. x 164 ft. (1,220mm x 50m)
	WG, VM	48 in. x 82 ft. (1220mm x 25m)
Maximum Weight		55 lbs. (25kg) (approx.) for a 164 ft. 50m) roll

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Product Performance

The values in these tables are typical and are based on test data deemed reliable but are not warranted.

Characteristic	Evaluation	Results
Dimensional Stability*	4 in. x 4 in. (100mm x 100mm) crosscut in film, after 2 days at room temperature	Largest gap: <0.01in. (0.3mm)
Heat Resistance*	Aged at 150ºF (65ºC) for 28 days	No delamination or visible change
Thermal Cycle Resistance*	Cycled between-22ºF and 150ºF (-30ºC and 65ºC) for 12 days	No delamination or visible change
Moisture Resistance*	Aged at 104ºF (40ºC), 95% humidity for 30 days	No delamination or visible change
Cold Impact Resistance*	2 lb. (907g) weight dropped from 5 in. (12.7cm) height, at 32ºF (0ºC) using a Gardner Impact Tester	No cracks in film
Ultraviolet Light Exposure	Exposed to carbon arc accelerated UV light for 250 hours	No visible change
Abrasion Resistance	Taber® CS-17 Abrasion wheel: 1kg loading weight, 7,000 cycles	No wear-through of surface finish
Fire Resistance	When used in Interior Applications as defined by NFPa 101 “Life Safety Code”, Test Method ASTM E84	Most Products have Class A
Industry-Specific Testing	IMO Certification/USCG Type Approval, Intertek Firedoor, CAN/ULC-S102.2	Consult 3M Technical Services

*Product applied to an aluminum plate.

Stain Resistance

Contaminant was in contact with the film surface for 24 hours and then removed using water or mild detergent. Diluted Isopropyl Alcohol may be used for more difficult stains. Results may vary.

Contaminant	Results
Coffee	●
Tea	○
Cola	●
Milk	●
Red Wine	●
Ketchup	●
Soy Sauce	●
Cooking Oil	●
Vinegar	●
Mustard	●
Crayon	○
Shoe Polish	◒
Betadine Iodine	●
Soap Solution (1%)	●
Ammonia Solution (10%)	●
Citrate Solution (10%)	●
Ethyl Alcohol (50%)	●
Uric acid	●

● = Removed with water
○ = Removed with mild detergent
◒ = A little stain remained

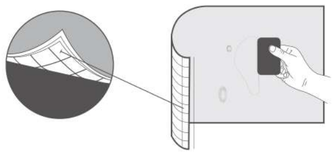
Cleaning and Maintenance

Regular cleaning will help maintain the appearance of the finish. Use mild detergent and water, and a soft cloth or sponge without abrasives. For difficult stains, spot clean with a diluted Isopropyl Alcohol solution and a soft cloth. Avoid using strong solvents or detergents that are either highly alkaline (pH>11) or acidic (pH<3). Do not use ammonia, chlorine, or strong organic-based cleaning products, polishing or cleaning compound, hard-bristle brushes or electric polishing tools and wipe gently.

Problem	Solution
Dust and Grit	Wipe with a soft, damp cloth
Soiled (but not gritty)	Use water and a soft cloth
Heavily Soiled	Clean first using a solution of mild liquid detergent and water, then use clear water; Wipe gently with a soft cloth
Difficult Stains	Spot clean with 70/30 IPA (70% Isopropyl Alcohol/ 30% Water) cleaning solution

Comply™ Adhesive Technology

Comply Adhesive has air-release channels that allow trapped air bubbles to escape during application. Dry application only.



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Adhesion Compatibility with Application Surfaces

The following table contains peel adhesion information for the Product peeled from various surfaces. A number of surfaces have acceptable adhesion without the use of adhesion promoter. Examples of increased adhesion with adhesion promoters on certain surfaces is presented. Surfaces vary widely, so adhesion should be assessed for each customer substrate. Some surfaces are porous and must be sealed before application of DI-NOC to prevent outgassing of the surface over time.

Test specimens were applied to the substrate and conditioned at 68°F (20°C) for 48 hours, then peel tested at 180 degrees at a tensile speed of 12 inches (300mm) per minute.

		Adhesion Promoter: lb./in. (N/25mm)		
Substrate	Application Surface	No Adhesion Promoter	WP-2000* (water-based)	3M™ Tape Primer 94 (solvent-based)
Wood	MDF (with sealer)	●[3]	●	●
	Painted MDF	●	●	●
Boards	Gypsum Board (with skim coat and sealer)	●[3]	●	●
Metals	Aluminum	●	●	●
	Anodized Aluminum	●	●	●
	Stainless Steel	●	●	●
Glass	Glass	●	●	●
Plastics[1]	ABS	●	●	●
	Actylic	●	●	●
	Polyester (PETG)	●	●	●
	Polypropylene	○	●	●
	Polyethylene	○	●	○
	Polycarbonote	●	●	●
	DI-NOC Film	●[2]	●	●

*WP-2000 undiluted for testing.

● = Acceptable adhesion
○ = Fails in adhesion

1. Bubbles may appear under film due to outgassing if plastic substrate is not fully cured before application.
2. If DI-NOC is wrapped and overlapped around edges, use of an adhesion promoter is highly recommended due to additional stress from wrapping DI-NOC.
3. Sealer was wiped with Isopropyl alcohol to improve adhesion. Adhesion was tested using a spring scale per the 3M™ DI-NOC™ Architectural Finishes Installation Guide and passed at 800-1,000 g/in

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3M™ DINOC™ Surface Preparation Guide

Application Surface Material

Preparation Steps	MDF	Gypsum Board/ Drywall	Existing Painted Surface	Baked Enamel Metal	Metal	Smooth Natural Stone (See Note 6)	Melamine Board/ Plastic Laminate	ABS, Acrylic, Polycarbonate PVC Board, Polyester	Glass (See Note 4)
Pre-treatment	Counter-sink all fasteners	Level 5 Finish	Level 5 Finish		Remove Oxidation / Rust		Counter-sink all fasteners		
Filler Application (See Note 2)	Use Bondo®	Use Joint Compound/ 3M Patch Plus Primer	Use Joint Compound/ 3M Patch Plus Primer	Use Bondo®	Use Bondo®	Use Bondo®	Use Bondo®	Use Bondo®	
Surface Finish	3M #180 - 220 Grit Sandpaper	3M #180 - 220 Grit Sandpaper	3M #180 - 220 Grit Sandpaper	3M #180 - 220 Grit Sandpaper	3M #180 - 220 Grit Sandpaper	3M #180 - 220 Grit Sandpaper	3M #180 - 220 Grit Sandpaper	3M #180 - 220 Grit Sandpaper	
Sealer Application (See Note 1)	Appropriate Primer/ Sealer	Appropriate Primer/ Sealer				Verify Surface is Sealed/ Use Appropriate Sealer			
Surface Cleaning	Alcohol Solution (70% IPA/ 30% Water	Alcohol Solution (70% IPA/ 30% Water	Alcohol Solution (70% IPA/ 30% Water	Alcohol Solution (70% IPA/ 30% Water	Alcohol Solution (70% IPA/ 30% Water	Alcohol Solution (70% IPA/ 30% Water	Alcohol Solution (70% IPA/ 30% Water	Alcohol Solution (70% IPA/ 30% Water	Alcohol Solution (70% IPA/ 30% Water
Adhesion Test Kit (See Note 5)	Recommended	Recommended	Recommended	Optional	Optional	Recommended	Optional	Recommended	
Adhesion Promoter (See Note 3)	Primer 94/ WP-2000	Primer 94/ WP-2000	Primer 94/ WP-2000	Primer 94/ WP-2000	Primer 94/ WP-2000	Primer 94/ WP-2000	Primer 94/ WP-2000	Primer 94/ WP-2000	

(Note 1) - Some surfaces are porous and must be sealed before application of film to prevent outgassing of the surface over time.
(Note 2) - Use Bondo® to fill counter-sunk fasteners, seams and damaged areas on application surfaces. Seal Bondo areas with Primer 94 (or WP 2000) before installing the DI-NOC.
3M™ PATCH plus primer may be used to fill small scratches, but use caution, repositioning the film may pull the filler out of the damaged area.
(Note 3) - Adhesion promoter is used to improve adhesion on an application surface.
3M™ Tape Primer 94 (solvent-based)
- Drying time is 5 minutes at room temperature
- Use only on edges and corners of substrate
3M™ Primer WP-2000 (water-based)
- Drying time is 30 - 60 minutes, depending on temperature and humidity
- Use on edges, corners and entire substrates
(Note 4) - Exercise caution as glass with 3M DI-NOC applied may crack from heat of direct sunlight.
(Note 5) - Refer to the 3M DI-NOC Installation Guide for additional information.
(Note 6) - 3M DI-NOC may not adhere to grout lines. Test and approve before installation.

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3M DI-NOC™ Architectural Finishes

Advance your design with the ever-expanding collection.

1000+ Di-Noc Finishes
Available from Japan which includes options for exterior and abrasion resistant films.

Easy to clean, maintain and repair.

DI-NOC's versatility, easy maintenance, and durability against normal wear and tear keep your space looking fresh for the long term.

Routine removal of dirt requires only mild detergent; water; and a soft, nonabrasive cloth or sponge to help keep your space looking fresh.

Durable, nonporous surfaces are easy to maintain and won't be damaged by typical commercial disinfectants.

DI-NOC finishes are much easier to repair that wood or veneer, and repairs are virtually invisible at normal viewing distances.

Easy on the budget.

Versatile DI-NOC Architectural Finishes give you an easy, cost-efficient way to create new spaces or replace outdated finishes.

Don't delay your project - DI-NOC helps you renovate or refresh your space even if budgets are tight.

DI-NOC finishes let you update existing surfaces creating less landfill waste to help achieve your sustainability goals.

With a lower cost than many traditional materials like wood, marble and textiles, you can create an affordable yet high-end design.

Easy to incorporate in your space.

Keep your building beautiful without inconveniencing your guests-and without the disruption of traditional construction.

Avoid business disruptions when you create a new space or refresh an existing one with DI-NOC finishes - almost overnight.

Less downtime, noise and mess means minimal impact on the experience of employees, customers or tenants who use your space.

With over 1,000 patterns to choose from and the look of beautiful natural materials, design is limited only by your imagination.

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GOOJAR MAL GANPAT RAI PVT. LTD.

DELHI
GMGR house, A-17, B-1,
Mohan Corporative Industrial Estate,
Mathura Raod, New Delhi-110044
M.: +91 9873246663, 9873246665

MUMBAI
Unit No. 1B, A Wing, 5th Floor,
HDIL Kaledonia, Sahar Airport Road,
Suburban, Mumbai-400069
M.: +91 9873246663, 9873246665

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support@gmgrindia.in | www.gmgrindia.in