



DI-NOC™ Architectural Finishes for Bathroom

Description

Advantages

- 3M™ DI-NOC™ Architectural Finishes for Bathroom is a special film developed exclusively for interior damp and humid environments such as bath rooms, shower cells, toilets, kitchens, fitness centres, saunas, etc. 3M DI-NOC Architectural Finishes for Bathroom offers innovative advantages in application and design and it fulfils a wide range of functional and creative covering needs. 3M DI-NOC Architectural Finishes for Bathroom is suitable for wall surfaces and ceilings. 3M™ NEO™ TILE is developed especially for application on top of existing installed tiles, whilst 3M™ NEO™ FLO/FEO is developed with scratch and slip resistance for floor coverings.
- Because of its light weight, limited thickness and consequently high flexibility and high quality applications it is easier and faster when using on traditional panels or tiles. It is no longer necessary to take away the existing substrate. Work will not only be much more user-friendly, but also cheaper.
- 3M DI-NOC Architectural Finishes for Bathroom are coated for 1, moisture, anti-mold and antibacterial fire resistance.
- Typical application surfaces are aluminium, steel, painted surfaces, plastic, laminates, tiles, wallboard, residential plastering, etc.

Product Range

- 3M DI-NOC Architectural Finishes for Bathroom for even surfaces of walls and ceilings similar to 3M™ DI-NOC™ Architectural Finishes.
- 3M™ NEO™ TILE for installed tiles includes aluminium layer in construction (most patterns available).
- 3M™ NEO™ FLO for floor covering and NEO-FLE with anti-slip feature.

In total 53 standard colors are available. Please refer to following patterns:

- **For even surfaces of walls and ceilings:**

R203 R207 R208 R209 R210 R211H R409 R454
R432 R475 R601 R603 R604 R602 R605 R606
R409 R454 R462 R475 R608 R411 R410 R629
R630 R698
R001 R002 R003 R004 R005 R006 R012 R037
R038

R612G R628G R664 R612 R628 R610

- **For TILE surfaces:**

R462 R409 R475 R454 R411 R410 R612 R628
R664 R629 R630 R698 R610 R603 R604 R012
R003 R004

- **For floors with smooth film surface:**

R698 R633 R490

- **For floors with embossed film surface:**

R698 R633 R490

Construction

- Film – PVC free with special fluoride coating
- Adhesive – Acrylic synthetic resin:
 - with Comply™ for NEOX
 - without Comply™ for NEO-TILE, FLO, FLE
- Liner – White Kraft paper

Effective Performance Life

The warranty for 3M DI-NOC Architectural Finishes for Bathroom for exterior decoration as stated herein does not extend to automotive or personal vehicle applications which have to conform to OEM automotive specifications. When applied in accordance with 3M recommended procedures, the following performance may be expected. Performance statements are based upon representative values obtained from testing throughout Japan/Europe, however, actual per will be determined by substrate selection and preparation, exposure conditions and maintenance of the marking. The warranty applies to films that are exposed exterior at a vertical angle (defined as +/- 10°). A significant decrease in durability may be experienced if films are exposed other than vertically. Such non-vertical applications must be on a test and approval basis to determine acceptability. 3M does not warrant horizontal exposures of interior 3M DI-NOC Architectural Finishes for Bathroom.

Roll size

3M DI-NOC Architectural Finishes for Bathroom:
1220 mm rolls

NEO™ TILE: 1220 mm X 30 m rolls

NEO™ FLO: 1220 mm X 25 m normal roll

NEO™ FLE: 1220 mm X 25 m

Fabrication

Printing

Not recommended

Cutting

On plotter: Not recommended
Hand cutting: No problem

Application

Application is recommended on flat and slight radius surfaces. For more information please refer to 3M DI-NOC Architectural Finishes for Bathroom Instruction Bulletin.

Warranty

- 12 years Warranty System on interior decorations.
- No warranty on exterior applications.
- One year for NEO™ FLO and FLE.

Physical and Chemical Properties

Values given are typical and are not for use in specifications. If a custom specification is desired, a request should be submitted through your sales representative.

Physical Properties

Property	Metric Units
Thickness (Film + Adhesive)	220 – 260 mm depends on type of film
Elongation	< 10%
Dimensional Stability (X-gash)	< 0.3 mm
Abrasion Resistance Taber abrasion (1 kg load, CS - 17 wheels)	Very slight trace No effect on weight
Impact Resistance (Gardner at -10°C), 2 lb X 5 inch at 4°C	No cracking with 9 joule
Humidity Resistance (40°C, 95% humidity)	No effect
Water Resistance (40°C, 7 days)	No effect
Stain Resistance (18 hrs in 1% saltwater)	No effect
Hydrochloric acid 10%	Edge lifting

Adhesion (N/25 mm)

Substrate	Adhesion
Alodine aluminum	> 40

Flammability

3M DI-NOC Architectural Finishes for Bathroom is tested according to IMO (International Maritime Organization) and fulfilled the requirements of IMO Resolution A.653 (16) and ISO 5659-2; FTP code annex 1, part 2.

Cleaning/Maintenance

For cleaning of applied 3M DI-NOC Architectural Finishes for Bathroom use a soft textile with detergent and warm water. For heavy dirt accumulation use detergent and water at 70°C – 80°C.

Removal

3M DI-NOC Architectural Finishes for Bathroom are removable with a heat gun at 80°C – 100°C or the Bosch steam remover PTL1 can be used.

Shelf Life, Storage, Shipping

The fabricator may store unprinted film for a period of up to two years. Film and markings must be stored in a clean area, free from excessive moisture and direct sunlight, with ambient temperatures of 35°C or less.

Important Notice

This bulletin provides technical information only. All questions of warranty and liability relating to this product are governed by the terms and conditions of the sale, subject, where applicable, to the prevailing law. Before using, the user must determine the suitability of the product for its required or intended use, and the user assumes all risk and liability whatsoever in connection therewith.

3M Related Literature

Listed below is related 3M technical literature that may be of interest.

Instruction Bulletins	Bulletin No.
DI-NOC™	5.41
Application	5.5
Storage, Maintenance and Removal	6.5

For Further Assistance

For help on specific questions relating to 3M DI-NOC Architectural Finishes for Bathroom, or any other Commercial Graphics Division products, contact your local Technical Service representative or

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