



Digital Wall Protection
—to the highest power—

M² Digital Wall Protection Specifications

PHYSICAL PROPERTIES

- Digitally printed sheet for wall protection and decoration
- Matte Finish for Protected Clear Graphics
- Polyester Backer
- Thickness: .040" and .060"
- Dimensions: 4' X 8' (1.22m X 2.44m), 4' X 10' (1.22m X 3.05m)
- Flame & Smoke: CAN/ULC-S102.2

FINISHES

- Customer Supplied Digital Graphics: High definition digital files shall be reverse printed on clear M² sheet and sealed with a protective backer. Customer to supply custom artwork, with copyright clearance. Adobe Illustrator (AI) or Encapsulated Postscript (EPS) artwork is preferred, but most raster file type. (e.g. TIFF, JPEG) are acceptable. Raster files to be submitted at full scale, 300 dpi, in an uncompressed format.
- B. Non-PVC top caps, vertical divider bars and inside corner colors to be selected by the architect from the Korogard finish selection. Surface shall have a smooth finish.
- Vinyl top caps, inside corners, divider bars and outside corners shall be of a colour matching Korogard standard colour.
- Aluminum Accessories: Top caps, inside corners and divider bars shall be clear anodized.
- Accessories: Clear or Colour Matched Caulk

MATERIALS

M² Digital Wall Protection sheet material shall be extruded from chemical and stain-resistant PETG with a matte finish.

Rigid sheet shall be reverse printed by Metro with customer supplied digital graphics. Printed sheet shall have a protective backing.

ACCESSORIES

Non PVC

- M082 Top Cap; Length: 10' standard
- M087 Vertical Divider Bar; Length: 10' standard
- M085 Outside Corner; Length: 10' standard
- M083 inside Corner; Length: 10' standard

Aluminum

- JC12 Aluminum Top Cap; Length: 12' standard
- DB12 Aluminum Vertical Divider Bar; Length: 12' standard
- IC12 Aluminum Inside Corner; Length: 12' standard
- OC12 Aluminum Outside Corner; Length: 12' standard

Colour Matched Caulk



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STORAGE, DELIVERY & HANDLING

- Deliver materials in unopened factory packaging to the job site
- Inspect materials at delivery to assure that specified products have been received
- Store in original packaging in a climate controlled location away from direct sunlight, between 60°F and 85°F [16-29°]
- If material shipped rolled up, unroll upon receipt. Do not reverse roll M² Digital Wall Protection. Make sure sheet is well supported. IMPORTANT! When rolling M² Digital Wall Protection, the image MUST face in
- Acclimate: sheet and adhesives at temperatures between 65°F and 80°F (18°-27°C) at humidity less than 80%
- Maintain a constant temperature and humidity 24 hours before, during and 48 hours after installation
- Clean substrate to remove dust, debris and loose particles. Wall surface shall be dry and free from dirt, grease and loose paint
- Painted Drywall or Plaster: test painted walls for adhesion by applying a 12"x 12" [305mm x 305mm] pieces of IPC Rigid Sheet in an inconspicuous area. Allow the test sheet to remain adhered for 24 hours. Remove test sheet, If paint has softened, strip the paint off the wall and reseal with a recommended paint/primer.
- Concrete and Concrete Masonry Units: Fill concrete to make smooth. Seal concrete with paint/primer. DO NOT use paint/primer that contains Polyvinyl Acetate (PVAc)
- Non-Porous Substrates: Some non-porous substrates include metal, ceramic tile, high-pressure laminate, epoxy painted walls, vinyl wall covering (VWC) and rigid sheet. XT2000 Mastic can be used to apply rigid sheet to securely adhered vinyl wallcovering or rigid sheet and other non-porous substrates. Adhering rigid sheet over existing sheet or VWC will increase smoke generation and flame spread and negate the Class A fire rating. If you choose to do this, follow the nonporous installation instructions.

WALL PREPARATION

- Examine areas and conditions in which the sheet will be installed
- Complete all finishing operations, including painting, before beginning installation of Non PVC sheet materials. Allow paint/primer to dry in accordance with the manufacturers application instructions
- DO NOT use paint/primer that contains Polyvinyl Acetate (PVAc)

INSTALLATION

- Environmental Requirements: Products must be installed in an interior climate controlled environment.
- General: Locate the M² Digital Wall Protection as indicated on the approved detail drawing for the appropriate substrate and in compliance with the InPro installation instructions. Install level and plumb at the height indicated on the drawings. Field trimming is not recommended or supported.
- Adhere to substrate with XT2000, a freeze-thaw-stable, nonflammable, high strength, water based adhesive that trowels on and allows working time before firming.
- Adhere to substrate with Fastbond 30, a nonflammable, high strength, water dispersed contact adhesive, with very little odor. Smooth roll surface.

TOOLS & EQUIPMENT

- Paint/Primer (if needed)
- Chalk Line or Laser Level
- Level
- V-notch Trowel, 1 /8" [4mm] V-notches with ½" [13mm] spacing between notches
- Recommended Adhesive -XT2000 Mastic or 3M Fastbond 30 contact adhesive
- Smooth foam paint roller (for contact cement)
- Straight Edge
- Utility knife with extra blades
- Belt Sander
- Painter Tape
- R333, heavy pressure Roller, 9" [229mm] wide
- Clean cloths
- Water



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CUTTING AND FITTING DRY SHEETS

- Install sheets in the order as numbered on the sheets
- Trim at the beginning and ends of a run
- DO NOT kink the sheet when handling
- Mark plumb lines and level lines on wall
- Allow 1/16" [2mm] between sheet and ceilings, floors, walls, casings and other sheets
- DO NOT install cove base directly over rigid sheet; Overlap sheet with cove base by 1/4" [7mm]
- Use a straight edge and sharp utility knife to cut sheet material
- Scribe uneven corners to sheet and remove material with a belt sander
- Cut sheet using multiple passes with the utility knife
- DO NOT install sheet too close to heat sources
- Dry fit the sheet to the wall
- DO NOT remove the white film from the back of the sheet

INSTALLATION TIP:

To help minimize the appearance of the joint when using clear caulk, paint a one inch wide area behind the butt joint with a color from the graphic. Allow paint to fully cure before installing wall protection.

ADHESIVE APPLICATION XT2000 MASTIC

- Allow materials to acclimate following the recommendations stated earlier
- Use a V-notched trowel with 1/8"x 1/8" [4mm x 4mm] V-notches spaced 1/2" [13mm] apart
- Apply adhesive only on wall
- Apply adhesive to the entire wall area where sheet will be installed
- Remove any excess adhesive before it has cured
- Clean trowel so notches do not get clogged
- Application rate is 150 square feet per gallon [3.7 sq. M/per liter] with V-Notch Trowel

ADHESIVE CURING, POROUS SUBSTRATE

- Adjust cure time for temperature and humidity level
- Allow adhesive to become 60-75% translucent or let adhesive become tacky and not transfer to your finger when touched
- Use fans to reduce cure time
- The installer is responsible for determining the cure time of the adhesive, based on job site conditions
- Do a test installation, if needed

ADHESIVE CURING, NON-POROUS SUBSTRATE

- Allow adhesive to cure longer (at least an hour but not more than three hours)
- Allow the adhesive become 90% translucent and let adhesive become tacky and not transfer to your finger when touched
- Use fans to reduce cure time
- The installer is responsible for determining the cure time of the adhesive, based on job site conditions
- Do a test installation, if needed
- Position the sheet perfectly, since adhesive will have a permanent bond



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CUTTING AND FITTING DRY SHEETS

- Wipe the back of sheet to remove dust
- Position sheet on wall
- Allow 1/16" [2mm] gaps for expansion
- Reposition sheet before rolling if needed
- Roll entire sheet with extension roller, starting at the center and working to the edges

COLOUR MATCHED CAULK

- Apply masking tape on the edges of the joint
- Apply caulk to joint and remove excess with putty knife or finger
- Remove painters tape before caulk cures
- Repeat caulk application if sinking occurs
- Remove unwanted caulk before it cures

CLEAN UP

- Upon Completion, remove layout marks, excess adhesive and surface blemishes
- Cured Adhesive
- Use mineral spirits and gently rub
- Follow by wiping with a cleaner like fantastic
- Rinse sheet with water dampened cloth

AFTER INSTALLATION

- Maintain environmentally controlled conditions
- Large temperature changes can cause de-lamination

WARRANTY

Standard Metro Wallcoverings 5 year Warranty against material and manufacturing defects. Note: Small blemishes or marks may be present in the material. If any aesthetic flaws are present, the criteria followed for acceptance is that they are not visible when the panels are positioned as they will be in the install and viewed from 10 feet away.