SECTION 09 7726

INTERIOR SURFACING (ARCHITECTURAL FILM)

PART 1   GENERAL

1.1   SUMMARY

  A.   Section Includes:
    1.   Architectural film interior surfacing for [walls] [ceilings] [columns] [soffits] [doors] [cabinets] [millwork] [casework] [paneling] [elevator doors] [elevator cabs] [_____] applied to [melamine] [wood] [medium density fiberboard] [PVC foam board] [____] surfaces.

  B.   Related Sections:
    1.   Division 01: Administrative, procedural, and temporary work requirements.
    2.   Section [06 2000 - Finish Carpentry] [__ ____ - _____]: Millwork to receive surfacing.
    3.   Section [06 4100 - Architectural Wood Casework] [__ ____ - _____]: Cabinets to receive surfacing.
    4.   Section [08 1113 - Hollow Metal Doors and Frames] [__ ____ - _____]: Steel doors to receive surfacing.
    5.   Section [08 1416 - Flush Wood Doors] [__ ____ - _____]: Wood doors to receive surfacing.
    6.   Section [12 3100 - Manufactured Metal Casework] [__ ____ - _____]: Metal casework to receive surfacing.
    7.   Section [12 3200 - Manufactured Wood Casework] [__ ____ - _____]: Wood casework to receive surfacing.
    8.   Section [14 2100 - Electric Traction Elevators] [__ ____ - _____]: Elevator doors and cabs to receive surfacing.
    9.   Section [14 200 - Hydraulic Elevators] [__ ____ - _____]: Elevator doors and cabs to receive surfacing.

1.2   REFERENCES

  A.   ASTM International (ASTM) (www.astm.com) E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

  B.   Underwriters Laboratories, Inc. (UL) (www.ul.com):
    1.   723 - Test for Surface Burning Characteristics of Building Materials.
    2.   10B - Standard for Fire Tests of Door Assemblies.
    3.   10C - Standard for Positive Pressure Fire Tests of Door Assemblies.

1.3   SUBMITTALS

  A.   Submittals for Review:
    1.   Product Data: Manufacturer's descriptive data for architectural film surfacing and accessories.
    2.   Samples: [8 x 10] [__ x __] inch architectural film surfacing samples showing specified color and finish.
    3.   Warranties: Sample warranty form.

  B.   Quality Control Submittals:
    1.   Certificates of Compliance: Certification that architectural film surfacing meets specified fire hazard classification requirements.

  C.   Closeout Submittals:
    1.   Maintenance Data: Include maintenance data for installed products, including recommended and harmful cleaning materials and methods.

1.4   QUALITY ASSURANCE

A. Installer Qualifications: Reatec Authorized Installation Partner of Koroseal Interior Products.

B. Mockup:
1. Size: Minimum [8 x 8] [___ x ___] feet.
2. Include: Architectural film surfacing and accessories. Include one seam.
3. Locate [where directed.] [_____.]
4. Approved mockup may [not] remain as part of the Work.

C. Pre-Installation Conference:
1. Convene at site immediately prior to beginning work of this Section.
2. Attendance: Architect, [Contractor,] [Construction Manager,] [Design/Builder,] architectural film surfacing certified installer, and related trades.
3. Review and discuss:
   a. Product delivery and storage, substrate requirements, installation schedule, and protection for completed work.

1.5 DELIVERY, STORAGE AND HANDLING

A. Protect architectural film surfacing from weather, temperature, and harmful conditions as recommended by manufacturer.

B. Store architectural fi surfacing in original plastic bags and boxes, at temperature between 38 and 95 degrees F and relative humidity below 80 percent.

C. Do not stack boxes over six units high.

D. Do not use materials beyond one year shelf life.

1.6 PROJECT CONDITIONS

A. Do not install architectural film surfacing at temperatures below 54 degrees F or above 85 degrees F.

1.7 WARRANTIES

A. Furnish architectural film surfacing material manufacturer's and distributor's 5 year warranty providing coverage for material and workmanship defects and specifically for: Reduced gloss, developed texture, decomposition, swelling, clouding, tackiness, crazing, bubbling, and cracking of architectural film surfacing.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Contract Documents are based on products by one or more of following manufacturers:
1. Reatec by Koroseal.

B. Substitutions: [Under provisions of Division 01.] [Not permitted.]

2.2 MATERIALS

A. Architectural Film Interior Surfacing:
1. Description:
   a. Architectural overlay with pressure sensitive adhesive backing.
   b. Precision manufactured from blend of synthetic, engineered plastics, produced using calendaring process. and printed using high-definition presses.
   c. Thickness: Maximum 6 mils without adhesive layer, 8.5 mils with adhesive layer.

2. Fire hazard classification: Class A, tested to ASTM E84 and UL 723.
3. Fire door overlays: Meet UL 10B and 10C.
4. Pattern: [_____.]

2.3 ACCESSORIES

A. [Medium Density Fiberboard] [and] [Raw Wood] Sealer: [Oil based, low-luster polyurethane type.] [Acrylic, low-luster polyurethane type; Stays Clear by Benjamin Moore or approved substitute.]

PART 3   EXECUTION

3.1 EXAMINATION

A. Ensure that substrates are:
1. Non-porous and hard.
2. Free from gaps and overlaps.
3. Smooth, free from wrinkles and bubbles.

B. Medium Density Fiberboard Substrates; ensure that:
1. Corners are mitered.
2. Fasteners are counter sunk 1/8 inch below finished surface.
3. Joints and seams are flush.

C. Melamine Substrates; ensure that:
1. Corners are mitered.
2. Fasteners are counter sunk 1/8 inch below finished surface.
3. Joints and seams are flush.
4. Raw edges are edge banded.

3.2 PREPARATION

A. Comply with manufacturer's instructions for surface preparation.

B. Coordinate substrate requirements with Reatec Authorized Installation Partner.

C. Clean substrate; remove substances that could impair overlay bond, including mold, mildew, oil, grease, incompatible primers, and dirt.

D. Finish sand surfaces to achieve proper adhesive bond surface. Re-clean surfaces after any sanding is complete. Apply proper surface sealer, primer, or secondary adhesive as required by substrate complexity. Protect prepared surface from contamination until application.

E. Medium Density Fiberboard and Raw Wood Substrates:
1. Wipe surfaces clean; remove dust and loose matter.
2. Apply one thick coat of low luster polyurethane sealer without lines and streaks; allow to dry.
3. Sand surfaces to smooth, consistent surface.
4. Wipe surfaces clean; remove dust and loose matter.
5. Apply second coat of low luster polyurethane without lines and streaks; allow to dry. Sand surfaces to smooth, consistent surface.
6. Wipe surfaces clean; remove dust and loose matter.

F. Melamine and PVC Foam Board Substrates: Wipe surfaces clean; remove dust and loose matter.

G. Existing Doors: Remove existing hardware, tag and save for reinstallation.

H. Prepare other non-porous substrates to smooth, dry, clean surface, free of flaking, unsound coatings, cracks, and defects.

3.3   INSTALLATION

    A.   Install architectural film surfacing using a Reatec Authorized Installation Partner in accordance with manufacturer's instructions.

    B.   Install architectural film surfacing without gaps.

    C.   If using PVC Foam Board to create panels, a reveal of at least ¼" is preferred between panels. Paint or architectural film can be applied directly to the substrate in the reveal area.

    D.   For three-dimensional components, heat product to mold to substrate so that pattern has continuous, realistic, even appearance.

    E.   Remove air bubbles, wrinkles, blisters, and other defects.

3.4   CLEANING

    A.   Consult with Reatec Authorized Installation Partner for specific cleaning requirements based on finish, substrate, and applicable environment.

    B.   Clean completed surfaces in accordance with manufacturer's instructions.

    C.   Do not use caustic, acidic, or abrasive cleaners.

3.5   PROTECTION

    A.   Protect completed surfaces from damage using temporary nonstaining coverings recommended by surfacing manufacturer.

3.6   REPAIR

    A.   Utilize Reatec Authorized Installation Partner to repair damaged architectural film using materials and procedures approved by architectural film manufacturer.

END OF SECTION