Division 10 26 00
Palladium® Rigid Vinyl Kickplates

PART 1 – GENERAL

1.01 SUMMARY
A. Kickplates for door protection

1.02 SECTION INCLUDES
A. Palladium® Rigid Vinyl Kickplates

1.03 REFERENCES
A. American Society for Testing and Materials (ASTM)
B. National Building Code of Canada (NBC)
C. National Fire Protection Association (NFPA)
D. Society of Automotive Engineers (SAE)
E. Underwriters Laboratory (UL)
F. Underwriters Laboratory of Canada (ULC)
G. Underwriters Laboratory, Canada Accepted (cUL)
H. Uniform Building Code (UBC)

1.04 SYSTEM DESCRIPTION
A. Performance Requirements: Provide kickplates that conform to the following requirements of regulatory agencies and the quality control of IPC Door and Wall Protection Systems, Inpro Corporation.
   1. Fire Performance Characteristics: Provide UL Classified kickplates conforming with NFPA Class A fire rating. Surface burning characteristics, as determined by UL-723 (ASTM E-84), for kickplates installed with 3M Fastbond 30, shall be flame spread of 10 and smoke development of 95-140 for .040" (1mm) thick material or flame spread of 15 and smoke development of 300 for .060" (1.5mm) thick material. Provide ULC (Canada) listed kickplates conforming to the requirements of the National Building Code of Canada 2010, Subsection 3.1.13. Surface burning characteristics, as determined by CAN/ULC-S102.2, shall be flame spread of 15 and smoke developed of 30.
   2. Fire Performance Characteristics: Provide UL Classified Cladding Material for fire door and fire door frames intended for application on listed door frames used with hollow metal and steel covered composite type fire doors rated up to 3 hours in accordance with UL 10B. Provide cUL (Canada accepted) Cladding Material intended for application on listed fire door frames used on hollow metal and steel composite type fire doors rated up to 3 hours in accordance with CAN4-S104-M80.
   3. Fire Performance Characteristics: Provide UL Classified Cladding Material for doors and door frames intended for application on classified door frames used with wood composite and wood core type fire doors rated up to 1-1/2 hours in accordance with UL 10B. Provide cUL (Canada accepted) Cladding Material intended for application on classified wood composite and wood core type fire doors rated up to 1-1/2 hours in accordance with CAN4-S104-M80.

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4. Self-Extinguishing: Provide kickplates with a CC1 classification, as tested in accordance with the procedures specified in ASTM D-635-74, Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position, as referenced in UBC 52-4-1988.
5. Provide sheet materials that have been tested and results filed in compliance with article 15, part 1120 of the New York State uniform fire prevention and building code. DOS # 09960-930504-4001.
6. Impact Strength: Provide rigid vinyl sheet materials that have an Impact Strength of 30.4 ft-lbs/inch of thickness as tested in accordance with the procedures specified in ASTM D-256-90b, Impact Resistance of Plastics.
7. Chemical and Stain Resistance: Provide kickplates that show resistance to stain when tested in accordance with applicable provisions of ASTM D-543.
8. Fungal and Bacterial Resistance: Provide rigid vinyl that does not support fungal or bacterial growth as tested in accordance with ASTM G-21 and ASTM G-22.
9. Color Consistency: Provide components matched in accordance with SAE J-1545 - (Delta E) with a color difference no greater than 1.0 units using CIE Lab, CIE CMC, CIE LCh, Hunter Lab or similar color space scale systems.

1.05 SUBMITTALS

A. Product Data: Manufacturer's printed product data for each type of Palladium® Rigid Vinyl Kickplates specified.
B. Detail Drawings: Mounting details with the appropriate adhesives for specific project substrates.
C. Samples: Verification samples of Palladium® Rigid Vinyl Kickplates, 8" (203mm) square of each type and color indicated.
D. Manufacturer's Installation Instruction: Printed installation instructions for Palladium® Rigid Vinyl Kickplates.

1.06 DELIVERY, STORAGE AND HANDLING

A. Deliver materials in unopened factory packaging to the jobsite
B. Inspect materials at delivery to assure that specified products have been received.
C. Store in original packaging in a climate controlled location away from direct sunlight.

1.07 PROJECT CONDITIONS

A. Environmental Requirements: Products must be installed in an interior climate controlled environment.

1.08 WARRANTY

A. Standard IPC Limited Lifetime Warranty against material and manufacturing defects.

PART 2 – PRODUCTS

2.01 MANUFACTURER

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1. Submit comparable products of one the following for approval by architect:
   a. Insert name of manufacture of comparable product
   b. Submit requests for substitution in accordance with Instructions to Bidders and Division 01 General Requirements
   c. Provide specified product; Owner will not consider substitution requests.

2.02 MANUFACTURED UNITS

Note to Specifier – Update Section Below as Needed and Delete

A. *Kickplates*

1. *Palladium® Rigid Vinyl Kickplates (Dimension, Series Number)*
   1) *.040" = 3/64" (1mm)-standard, K4*
   2) *.060" = 1/16" (1.5mm)-standard, K6*
   3) *.080" = 5/64" (2mm)-available, K8*
   b. *Size: Indicated on door schedule in construction drawings.*
   c. *Backing: Adhesive backed.*
   d. *Unbacked: 3M Fastbond 30 recommended contact cement.*

2. *Smooth Palladium® Rigid Vinyl Kickplates with Co-laminated Patterns (Dimension, Series Number)*
   1) *.030" = 1/32" (.8mm), KP3SM*
   2) *.040" = 3/64" (1mm), KP4SM*
   3) *.060" = 1/16" (1.5mm), KP6SM*
   b. *Size: Indicated on door schedule in construction drawings.*
   c. *Backing: Adhesive backed.*
   d. *Unbacked: 3M Fastbond 30 recommended contact cement.*

2.03 MATERIALS

A. Vinyl: Palladium® Rigid Vinyl Kickplates shall be manufactured from chemical and stain resistant polyvinyl chloride with the addition of impact modifiers.

2.04 FINISHES

A. Color or pattern of Palladium® Rigid Vinyl Kickplates to be selected by the architect from the IPC finish selection. Surface shall have a velvet texture or a smooth finish.

PART 3 – EXECUTION

3.01 EXAMINATION

A. Examine areas and conditions in which the kickplate systems will be installed.
   1. Complete all finishing operations, including painting, before beginning installation of kickplate system materials.
B. Door surface shall be dry and free from dirt, grease and loose paint.

3.02 PREPARATION

A. Surface Prep: Prior to installation, clean the substrate to remove dust, debris and loose particles. Ensure the substrate is sound and per project plans.

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B. Acclimate product in temperatures between 65°F and 80°F [18°-27°C] and a humidity level less than 80% 24 hours in advance of installation.
C. The area of installation must temperature and humidity controlled for at least 48 hours after installation.

3.03 INSTALLATION

A. General: Locate the kickplate as indicated on the approved detail drawing for the appropriate substrate and in compliance with the IPC installation instructions. Install kickplate level and plumb at the height indicated on the drawings.
B. Installation of Palladium® Rigid Vinyl Kickplates
   1. Contact Cement: Adhere to substrate with Fastbond 30, a nonflammable, high strength, water-dispersed contact adhesive, with very little odor. Smooth roll surface.
   2. Factory Applied Adhesive: Adhere to substrate with manufacturer applied self-stick adhesive. Smooth roll surface.

3.04 CLEANING

A. At completion of the installation, clean surface in accordance with the IPC clean up and maintenance instructions.

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