

# Nu•Tree™

## Diamond Plate Sheet

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- Offers heavy-duty protection in areas such as back-of-house and loading docks
- 3/16" (5mm) thick, 4' x 8' sheets are manufactured from medium density polyethylene (MDPE) with a diamond plate pattern
- Conforms to NFPA Class B fire rating
- Available in two standard colors: Black and Gray

IPC.555/REV.3

# Nu•Tree™ Diamond Plate Sheet

## Suggested Specifications

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### PART 1 - GENERAL

#### 1.01 Summary

A. Diamond plate plastic sheet material for wall protection

#### 1.02 SECTION INCLUDES

A. NuTree Diamond Plate Sheet Material

#### 1.03 REFERENCES

A. American Society for Testing and Materials (ASTM)

B. National Fire Protection Association (NFPA)

#### 1.04 SYSTEM DESCRIPTION

A. Performance Requirements: Provide NuTree Diamond Plate Sheet that conforms 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 NuTree Diamond Plate Sheet conforming with NFPA Class B fire rating. Surface burning characteristics, as determined by ASTM E-84 shall be flame spread of 55 and smoke development of 450 or less.

#### 1.05 SUBMITTALS

A. Product Data: Manufacturer's printed product data for each type of wall protection specified.

B. Detail Drawings: Mounting details with the appropriate fasteners for specific project substrates.

C. Samples: Verification samples of wall protection, in full size of each type and color indicated.

D. Manufacturer's Installation Instruction: Printed installation instructions for Diamond Plate Wall Protection.

#### 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 WARRANTY

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

### PART 2 - PRODUCTS

#### 2.01 MANUFACTURER

A. Acceptable Manufacturer/Distributor: IPC Door and Wall Protection Systems™, InPro Corporation, PO Box 406 Muskego, WI 53150 USA; Telephone: 800.222.5556, Fax: 262.679.9127, www.inprocorp.com

B. Substitutions: Not permitted

C. Provide all NuTree Diamond Plate Sheet Material from a single source.

#### 2.02 MANUFACTURED UNITS

A. Sheet Material

1. NuTree Diamond Plate Sheet Material NT-DP4896-XX, 4' (1.21m) x 8' (2.43m), 3/16" (5mm) thick, diamond plate pattern

#### 2.03 MATERIALS

A. Medium Density Polyethylene: Sheets of medium density polyethylene shall be extruded from chemical and stain resistant MDPE.

#### 2.04 FINISHES

A. NuTree Diamond Plate Sheet Material: Colors of the sheet material shall be selected by the architect from 2 standard colors. Surface shall be Diamond Plate pattern.

### PART 3 - EXECUTION

#### 3.01 EXAMINATION

A. Examine areas and conditions in which the wall protection will be installed.

1. Complete all finishing operations, including painting, before beginning installation of wall protection materials.

B. Wall surface shall be dry and free from dirt, grease and loose paint.

#### 3.02 PREPARATION

A. General: Prior to installation, clean substrate to remove dust, debris and loose particles.

#### 3.03 INSTALLATION

A. General: Locate sheet material as indicated on the approved detail drawing for the appropriate substrate,

and in compliance with the IPC installation instructions. Install sheet material level and plumb at the height indicated on the drawings.

a. Installation of NuTree Diamond Plate Sheet

Install sheets level and plumb. Snap a chalk line to help maintain level during the installation. Pre-fit each panel before fastening. Leave an 1/8" gap when butting against other sheet or surfaces. This includes flooring, and ceilings.

1. Drill 5/16" holes around the perimeter of the 4' x 8' sheet, 1 1/2" in from edges. Drill 5/16" holes in the field of the sheet.

2. Hold the sheet in position on the wall and transfer the hole locations to the wall.

3. Drill 1/4" holes at each mark.

4. Hold the sheet against the wall. Start in the middle of the sheet and insert the drive rivet into a hole.

5. Hammer the plastic pin into the rivet until the pin is flush with the head of the rivet.

6. Continue fastening the panel to the wall with drive rivets working from the center and working outward.

7. Seal edges and gaps with clear silicone caulk.

#### 3.04 CLEANING

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