CLIENT	PROJECT MANAGEMENT	CONSULTANT	MAIN CONTRACTOR
stc	Hill International		

PROJECT: STC ADMINISTRATION BUILDING - B

MATERIAL APPROVAL REQUEST (MAR)

RECEIVED 12 APR 2023 (KHATIB & ALAMI) RH1943/HQ

SUBJECT: STAIR NOISING PROFILES # 72 AS

Location/Application: EMERGENCY STAIR CASES ON CONCRETE STEP EDGE

Discipline: ✓ Architectural/ID ☐ Structural ☐ Civil ☐ Mechanical ☐ Electrical ☐ Plumbing ☐ Hardscape and Landscaping

Specs. Code & Ref.	B.O.Q. Code Réf.	Drawing No.		SUBMITTAL NO.: SED-KAA-ABS-B-MAR-ARC-035-R0
			✓ New Submittal	1st Submittal Date: 11.Apr.23
			☐ Re-submitted	Previous Sub Date:
				Present Sub Date:

RECEIVED 17 APR 2023

DELIVERY:

Country of Origin: Italy
Estimated Time of Arrival on Site: -
Date Material Required on Site: -
Latest date of order (Program): -

Local Manufactured:
Overseas:

MANUFACTURER

Name: Profilepas S.P.A
Address: Via Einstein 38, 35010, Cadoneghe(PD) Italy
Phone: +39 049 8878411

SUPPLIER /AGENT

Profilepas MiddleEast Building Materials LLC
Address: PO Box : 393884, Dubai UAE
Phone: +974 4 341 6050

Information submitted and attached:

Test Report	☐	■	Compliance Sheet		Spec's
Technical Brochure	■	☐	Pre- Qualification		BOQ Item
Manufacturer's Data & Specs	■	☐	Approvals		Mock up
Certifiactes		☐	Method Statement		
Samples	■		Others (specify)		

For the Contractor :

Engr: Khaled Makki (QA/QC, Manager) Signature:
Engr. Mohammad Hajjaj (Project Manager) Signature:
Date: 11-Apr-2023

سيداق للمقاولات SEDAQ CONTRACTING STC ABS Project Sedaq Contracting

We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract documents except stated also, that the material sources indicated have been reviewed in detail and that they will supply the submitted items in conformity with the above & deliver same timely.

Consultant's Comments: ① must be adhere to the contractual documentations specs
② All manufacturer's recommendation & instruction must be fully considered & fulfilled
The approved item (72 AS)

Construction Manager & Client's Comments:

Status: A - Approved B - Approved as Noted C - Revise & resubmit D - Rejected E – No Action

Sign & Date	Consultant	Construction Manager	Client
☐ Architectural	Sign: O.B.O./W.Kh.	Sign:	Sign:
☐ Structural			
☐ Civil			
☐ Mechanical	Date: 16/04/2023	Date: 16/4/23	Date:
☐ Electrical			
☐ Landscaping			

Cc: Project Manager ☐ Received .....

H. Grating and Trench Covers:

1. Cast-Iron Grating and Trench Covers: Grating, trench and frames shall be of gray cast iron casting, heavy duty, complying with the requirements of ASTM A 48 or BS 497; Appendix A. Size shall be as shown on Drawings.

I. Ladders:

1. Fabricate and install ladders for locations shown on Drawings with dimensions, shape, details and anchorages as shown on Drawings and approved by the Engineer.

   a. Steel Ladder Rungs: Galvanized steel parts conforming to ASTM A 525, Designation G-90, including rungs, brackets, railings and fasteners. Rungs shall be 20 mm diameter solid structure steel bar spaced at 300 mm on centers. Provide non-slip surface on top of each rung as recommended by manufacturer approved by the Engineer.
   b. Stainless Steel Ladders: Stainless steel bar stock, Conform to ASTM A 276, Type 304. Rungs shall be 25 mm diameter. Provide non-slip surface on the top of rungs spaced at 300 mm on centers. Provide continuous side railing where shown on Drawings.

J. Roof Hatch:

1. Manufacturer's standard single leaf roof hatch to fit the opening as indicated on Drawings, complete with curbs, anchorage system, gaskets, roof flashing and other accessories required for a complete installation.

2. Door and curbs shall be of aluminum sheets (sandwich panel) with not less than 50 mm thick rigid polyurethane insulation. Roof hatch shall be provided with manufacturer's standard hardware including safety post.

K. Steel Plate Cover: Provide heavy duty checkered steel plate covers of 8 mm thick complying to ASTM A 36 or A 529 and shall be suitable for intended application and as recommended by checkered plate manufacturer. Plate shall be galvanized to ASTM A 123 - Zinc (Hot-Dip Galvanized) welded to bracing 50mm steel angles sections on 50 mm steel angles framing fixed to concrete with 150 mm steel dowels.

L. Stair Nosing: Fabricate stair nosing of heavy duty cast iron to profile and details shown on Drawings. Surface of nosing shall have silicon carbide abrasive, free from blow holes, shrinkage defects, swells, cracks or other defects. Casting shall be free of fins, burrs and slag. Finish shall be as selected by the Engineer from manufacturer's full range of finishes.

1. Surface: Silicon carbide abrasive or cross-hatched abrasive.

2. Anchor: Wing anchor or approved equal.

M. Façade and Shade Structure: Fabricate and install steel shade structure as shown on drawings. Manufacturers standard shade structure shall consist of pre-engineered steel columns, beams and purlins complying with the Section 05120 - STRUCTURAL STEEL. Structural steel members shall conform to ASTM A 36 and shall have painted finish complying with the Section 09900 - PAINTING.

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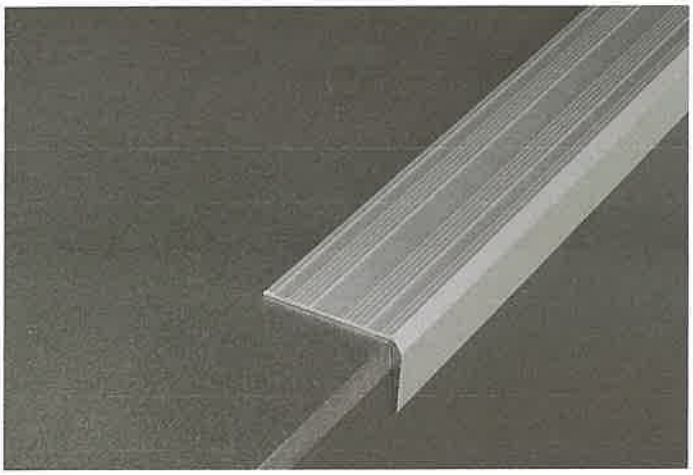

Stair nosing profiles
Protect

Description

The PROTECT range of profiles is recommended to protect the corners of steps already laid with wood, ceramic tiles, marble or other types of material.
Versions are available with or without pre-drilled holes, with or without screws or with adhesive.
Items 76, 124, 110 are anodized aluminium profiles on which self-adhesive, non-slip SAFETY STEP strips are applied.
Items 72, 79, 125, 78, 126 are anodized aluminium profiles on which ridged rubber (PVC) profiles are affixed with neoprene adhesive.
Item 74 is available in anodized aluminium and also in a version coated with Alcrom® Plus (a film reproducing the different shades and/or finishes of wood) providing an aesthetic solution that will match almost any type of flooring in domestic or public settings.
Items 87, 370, 373, 70, 71, 130, 76, 124, 110, 80, 72, 79, 125, 78, 126 have a special surface assuring they comply with regulation DIN 51131 regarding non-slip steps.
Items 150, 151, 152, 154, 155, 156 are made of PVC and should be bonded to the surface with neoprene adhesive.

Materials

Anodized aluminium
Al-Mg-Si aluminium, heat-treated in T6 (6060 T6).
The profiles are made by extrusion then anodized with a ≥ 15 µm thick layer.
They present a strong resistance to chemical and atmospheric agents. When wet, concrete and its derivatives produce alkaline substances which can corrode metal (forming aluminium hydroxide) when allowed to react with the surface. For this reason, the visible surface of the profile must be quickly and delicately cleaned to remove any concrete, adhesive or grouting substances and detergents.
Anodized surfaces can become ruined through wear and foot traffic (profiles used on floors) and the original finish lost as a result.

Alcrom® Plus coated natural aluminium
Al-Mg-Si aluminium, heat-treated in T6 (6060 T6).
The profiles are extruded then coated with hard-wearing Alcrom® Plus film reproducing the different tones and/or finishes of wood.

Stainless steel
AISI 304 - DIN 1.4301
Especially resistant to the main chemical and atmospheric agents, to lime, mortar, tile adhesives and cleaning products.
Also recommended for use in food industries, hospitals, external environments in general, etc.

Polished brass
Alloy CW624N UNI EN 12167
The profiles are extruded then polished mechanically. The outer surface must be protected from scratches and rubbing.
Resistance to chemical agents and mechanical stress is good. Parts of the brass in contact with the air are subject to oxidation, producing a film on the surface. In the presence of extreme humidity or corrosive agents, brass will oxidise quickly and marks may appear on the surface. Where necessary, it can be restored to its natural state with abrasives or special polishes.