



2CM PAVERS

February 2021

DISTINCTIVE, SOPHISTICATED, AND LIGHTWEIGHT BISON 2CM PAVERS

Bison 2CM Pavers are a beautiful surfacing option for rooftop environments. Available with a wood, stone, or concrete appearance, Bison 2CM Pavers create aesthetic appeal for rooftop decks, outdoor patios, or pool surrounds. The Bison 2CM Paver and Paver Tray System provides weather resistance and protection as well as valuable outdoor spaces for buildings.

- **Tested for use with Bison Pedestal Systems.** 2CM Pavers are durable, reliable, and safe.
- **Beautiful Finishes.** Slip, stain, and fade resistant.
- **Low Height Profile.** 0.79" thick (1.14" with Bison Paver Tray).
- **Quick and Easy to Install.** Recommended for use on Bison Pedestals from 1/8" to 36" in height. Must be used with Bison Paver Tray (Model PT-TRAY-2424-4) when installed on Bison Pedestals.
- **Lightweight.** 9.45 psf (11.03 psf with Bison Paver Tray). Easy to lift and install.
- **Commercial Grade.** Long-lasting and easy to clean in high traffic areas.
- **Made in the U.S.A.**

Photographer: Alain Jaramillo.

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Covered by one or more patents or pending patents.

Bison 2CM Pavers (PT-24-BISON)

- Dimensions: 23.54" x 23.54" x 0.79" (598 x 598 x 20mm)
- Weight: 36.38 lbs (16.50 kg) / Weight psf: 9.45 psf (46.14 kg/m²)
- Recommended installation temperature of 40°F (5°C) and rising
- Must be used with the Bison Paver Tray (Model PT-TRAY-2424-4) when installed on Bison Pedestals
- Use of the Bison Fastening Spline (Model FS-12) strongly recommended
- Recommended that you order an additional 5-10% of 2CM Paver material to have on hand for breakages and paver replacement
- Made in the U.S.A.

Wood-Look



AXI Brown Chestnut



AXI Grey Timber



AXI White Pine

Concrete-Look



Seastone Gray



Block Bianco



Mark Chrome

Stone-Look

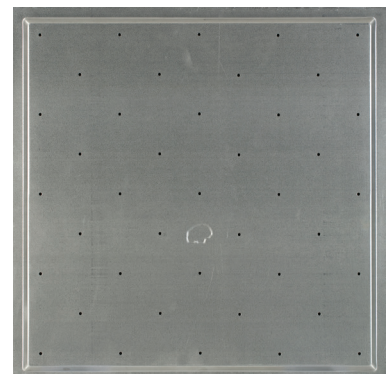


Trust Silver



Trust Gold

PT-TRAY-2424-4



Required Paver Tray

NOTE: Actual colors of Bison 2CM Pavers may differ from pictures; please contact Bison for color samples.

Bison 2CM Paver Testing

Bison 2CM Pavers meet or exceed the following standards:

	Technical Features	Test Method	Requirements for nominal size N		2CM Paver
			N ≥ 15 cm		
			(%)	(mm)	
Structural Characteristics	Water absorption	ASTM C373	Requirement ANSI A 137.1 Water absorption max ≤ 0.5%		≤ 0.1%
Bulk Mechanical Characteristics	Breaking strength	ASTM C648	0 ≥ S ≤ 22000 lbs		≥ 3000 lbs 24" x 24"
Surface Mechanical Characteristics	Mohs hardness/ Scratch resistance	EN 101 ⁽¹⁾	≥ 6 (UGL)		8 UGL
Thermal Characteristics	Thermal shock resistance	ISO 10545-9	Pass according to ISO 10545-1	Test method available	Resistant
Chemical Characteristics	Resistance to household chemicals and swimming pool safe	ISO 10545-13	Minimum Class B (U for unglazed tiles)		UA
	Resistance to low concentrations of acids and alkalis		Declared Class	Test method available	ULA
	Resistance to high concentrations of acid and alkalis		Declared Class	Test method available	UHA
	Resistance to staining	ISO 10545-14	Minimum Class 3		5
Safety Characteristics	Dynamic coefficient of friction (DCOF)	ANSI A137.1-2012	ANSI A.137.1 Requires a minimum value of 0.42 for commercial areas that are likely to be wet.		> 0.42 Wet
Solar Reflectance Index	Standard practice for calculating the Solar Reflectance Index of horizontal and low-sloped opaque surfaces	ASTM E1980	AXI Brown Chestnut		SRI 30
			AXI Grey Timber		SRI 29
			AXI White Pine		SRI 63
			Seastone Gray		SRI 34
			Block Bianco		SRI 65
			Mark Chrome		SRI 47
			Trust Silver		SRI 41
			Trust Gold		SRI 50



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Bison 2CM & Paver Tray Care & Maintenance Recommendations

NOTE: For more information, please reference current Bison Specifications and Details, which can be found online at www.bisonip.com.

Cleaning: If desired, the Bison 2CM & Paver Tray system may be periodically cleaned. All spills should be cleaned as quickly as possible. Before handling stain removing chemicals, remember to use personal protective equipment such as safety glasses, respirators, and gloves as recommended per manufacturer safety data sheet (SDS). Prior to application of any cleaners, sweep thoroughly and mop with a clean damp mop using a PH-balanced mild household detergent such as diluted dish soap to gently remove dirt, debris, or light stains. Always check with the manufacturer of your roof membrane and drainage system to ensure that any cleaning solution or by-product will not compromise or damage the waterproofing or drainage systems, taking into consideration any and all environmental impact. Always refer to product manufacturer's SDS for more information on chemical components, safe handling practices, and disposal considerations for local, state, and federal laws. Bison recommends first testing on an inconspicuous area of 2CM paver before applying to the entire deck surface. Bison recommends using ZEP ALL-IN-1 Premium Pressure Wash concentrate (Dilution ratio 1:20 per manufacturer recommendation) for periodic cleaning and maintenance followed by thorough rinsing. Pressure washers may be used on 2CM pavers at a suggested maximum of 1200 PSI. Test an inconspicuous area first, and be careful to clean the entire deck to avoid lap marks. Avoid direct pressure stream on bonding adhesive. Rinse thoroughly with clean, clear water to remove any concentrates or solutions. Rinsing is a critical step in the maintenance procedure to prevent chemical deposit buildup. After rinsing, removing any standing water with a squeegee will help to prevent dirt or chemical deposits from drying on the surface.

Deep Cleaning: When necessary, scrub with cotton mop, cloth, sponge, or non-metallic brush. DO NOT use abrasive cleaners, brushes with hard or metal bristles, scouring pads, steel wool, or sandpaper. DO NOT use scouring powders, as these products contain abrasives that may scratch the surface of the paver. DO NOT use vinegar or any cleaners containing acids, alcohols, or strong alkaline agents. Products with high acid or ammonia content are not recommended. Acid washing is not recommended. Acids, like orange extract and vinegar (including any substance with a PH lower than 7) can damage the glazed surface of the paver, and alkaline solutions like ammonia or bleach (including any substance with a PH higher than 7) can discolor pavers and degrade adhesive bond. DO NOT use ammonia, alcohols, calcium hypochlorite, methylene chloride, potassium permanganate, liquid chlorine, or any other strong oxidizing agents. Commercial floor scrubbers and floor buffing machines are not recommended due to their potential to damage the deck system. After referencing the roofing and drainage systems' safety data sheets to ensure chemical and environmental stability of materials, follow the steps from the cleaning section above. The following cleaners are available for specific stain types:

- 30 Seconds Outdoor Cleaner (1:1), or Simple Green Concrete and Driveway Cleaner (1:20) for dirt, grease, grime, mold, mildew, and algae
- FILA CLEANALL (1:30), or FILA PS87 (1:5) for food, drink, dyes, oils, and organic stains
- FILA DETERDEK (1:5), or Simple Green Lime Scale Remover (1:5) for rust or lime scale stains

When deep cleaning pavers, try to focus on small areas to avoid contact with the underlying tray and adhesive, as they may be adversely affected by chemicals in these cleaners.

Sealing: Applying sealer or wax to 2CM Pavers is not recommended.

Water and Snow Removal: Always rinse pavers thoroughly after any application of ice-melt to avoid the buildup of salt crystals. After rinsing, squeegee pavers dry.

Visual Observation: Check for rocking pavers, and adjust or shim immediately if needed. Failure to do so could cause a tripping hazard. Periodically check spacer tabs and immediately replace broken tabs to limit deck movement. Make sure the edge restraint stays intact and structurally sound.