

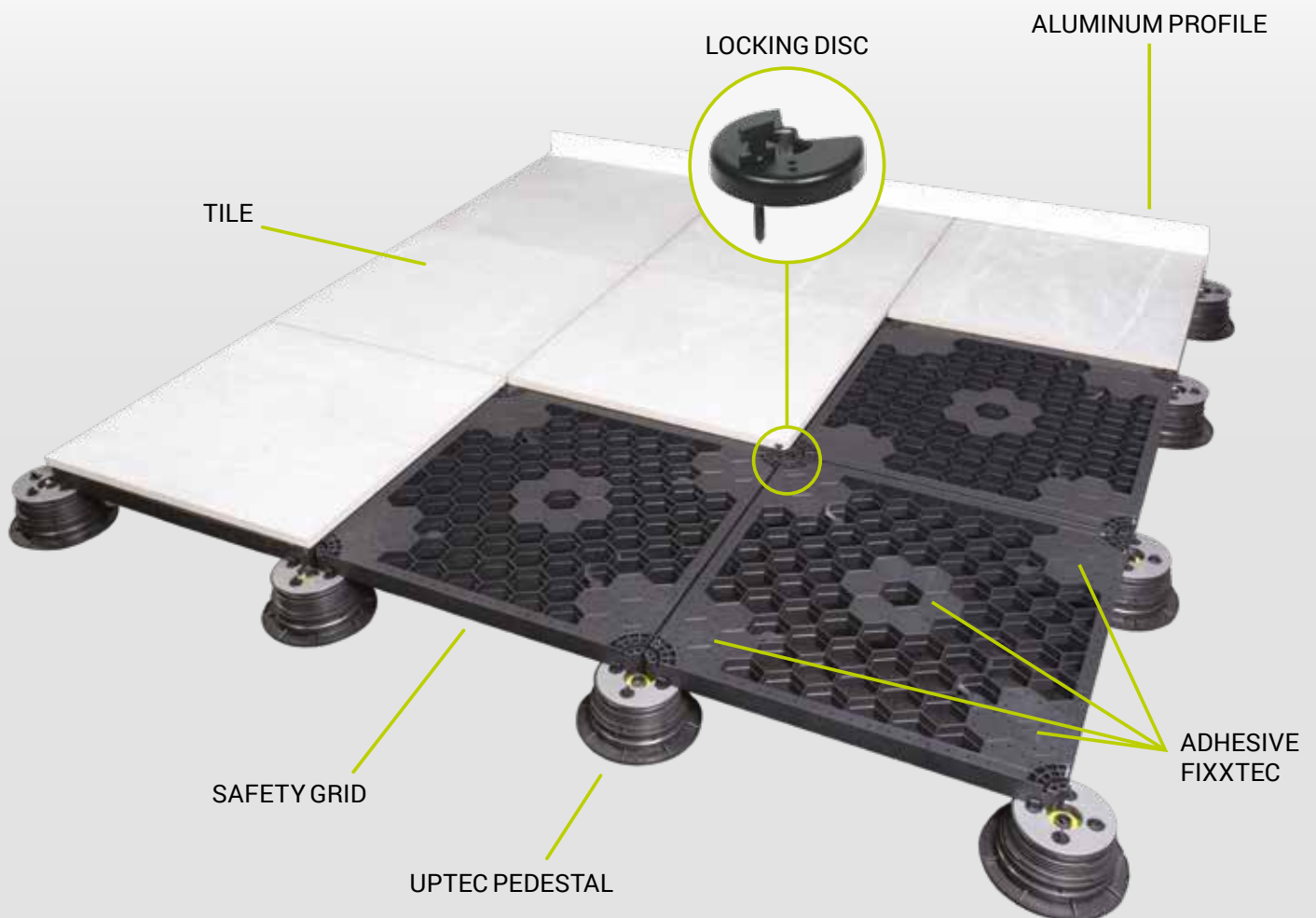
WIND UPLIFT SYSTEM

PRODUCT DESCRIPTION



The UPTEC Wind uplift System includes a safety grid featuring three adhesive tracks (perimeter, center, and auxiliary sections), Profilitec adhesive FIXXTEC and the locking disc SUPALOCK.

COMPOSITION





Locking disc
SUPALOCK

The SUPALOCK aluminum locking disc offers a seamless and secure solution for connecting SUPATRAYS in raised floor systems installed over Uptec pedestals. Engineered from high-quality aluminum, it is built to withstand extreme wind conditions up to 140 mph (225 km/h). The integrated pins securely fit into the openings on the locking disc, further enhancing its strength and stability.

Adhesive
FIXXTEC

FIXXTEC is a multi-purpose adhesive formulated to bond and seal various construction materials. When applied to the adhesive tracks on SUPATRAYS, FIXXTEC creates a strong bond between the pavers and trays, ensuring enhanced wind uplift resistance.



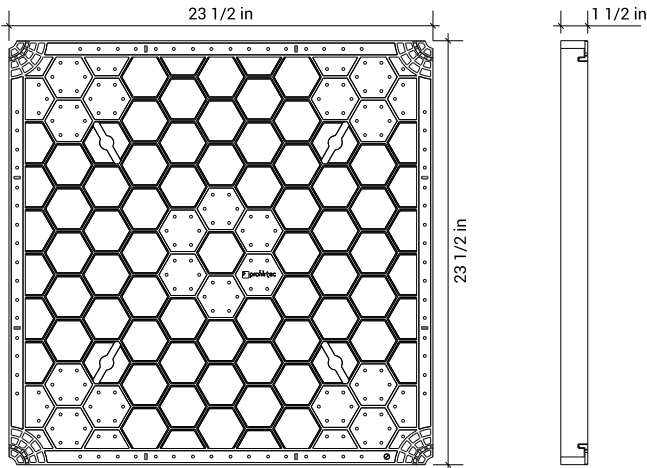
Aluminum profile
SUPAA24240

SUPAA24240 powder-coated aluminum profile is to be installed along the walls and parapet of the raised floor to further increase its uplift resistance. These robust L-shaped profiles hold the pavers firmly in place and enhance the overall aesthetic harmony of the installation.



TECHNICAL FEATURES

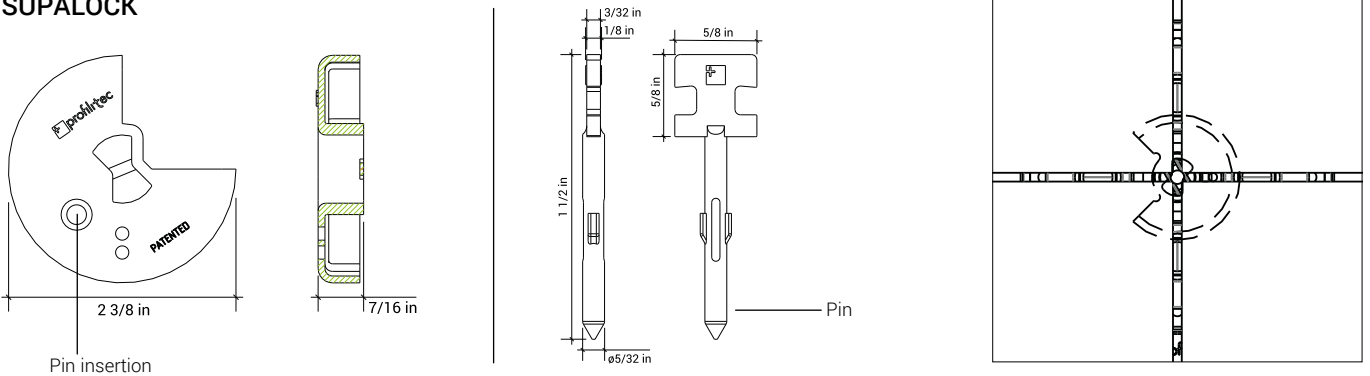
SUPATRAY



uptec SUPATRAY >> Safety grid

Cod.	LxB inch	Material	Environmental impact	Weight	Weight pck	Pcs/pck
SUPATRAY	23-1/2" x 23-1/2"	ABS plastic + 4 galvanized steel reinforcements	Recyclable - non-hazardous waste	6,83 lbs	382,72 lbs	56

SUPALOCK



uptec SUPALOCK >> Aluminum locking element for safety grid

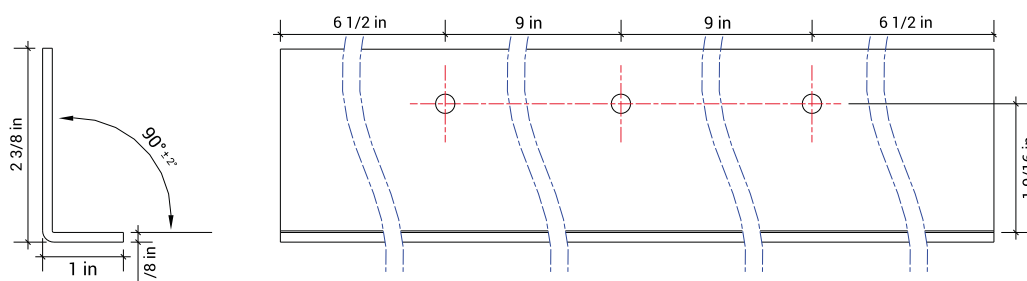
Powder coated black

Cod.	Material	Environmental impact	Weight pck	Pcs/pck
SUPALOCK	Powder coated aluminum	Recyclable - non-hazardous waste	0,04 lbs	240

Can be used with 3/16" (4 mm) joints

SUPAA24240

Length: 7'7/8" (2,40 meters)



uptec SUPAA24240 >> "L" profile for wind uplift system

Cod.	Material	Environmental impact	Weight pck	Pcs/pck
SUPAA24240	Powder coated aluminum	Recyclable - non-hazardous waste	3,49 lbs	5

Can be used with øM5 screws

Profilitec S.p.A.

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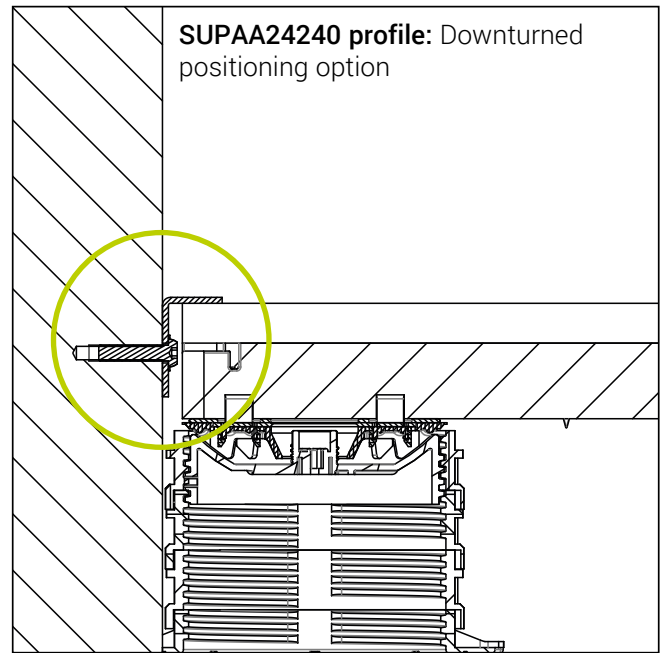
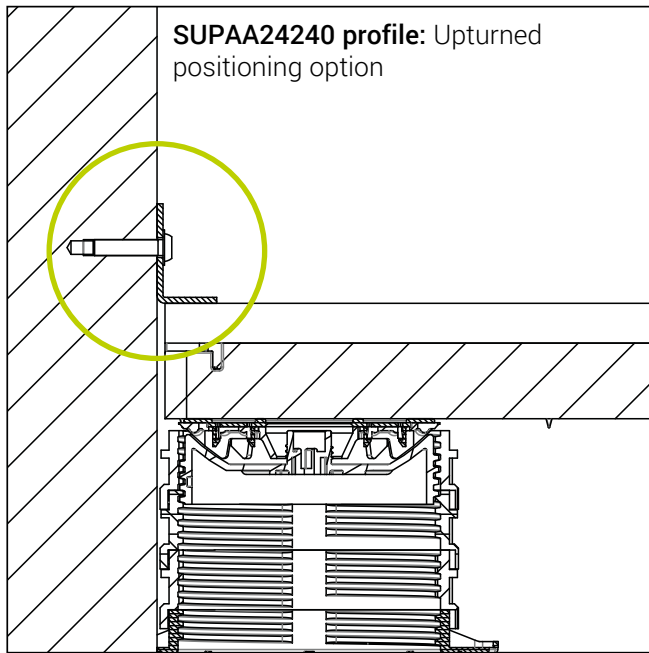
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profilitec
positive profile



INSTALLATION PHASES

1. Bond porcelain pavers to the SUPATRAY by applying the Profilitec adhesive FIXXTEC to the three adhesive tracks on the grids.
2. Position and level the adjustable pedestals before placing the assembled porcelain pavers on grids atop them.
3. Firmly connect all four corners of the trays using the SUPALOCK disc and then lock them using the SUPAK key.

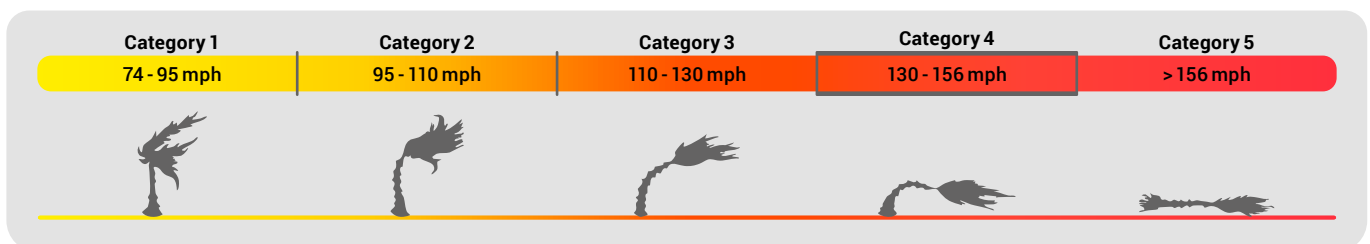
TESTS AND CERTIFICATIONS

WIND UPLIFT TESTING

The UPTEC wind uplift system has undergone rigorous testing at a large-scale facility in the United States. The testing process involves powerful fans generating hurricane-force winds, while the testing specimen is placed on a turntable that rotates to simulate varying wind directions.

This comprehensive testing approach replicates real-world conditions, ensuring an accurate evaluation of the system's performance. The UPTEC wind uplift system demonstrated its strength by withstanding wind speeds up to Category 4 on the Saffir-Simpson scale 130-156 mph (210-249 km/h), confirming its exceptional durability and safety for projects in high-wind zones.

Saffir-Simpson scale



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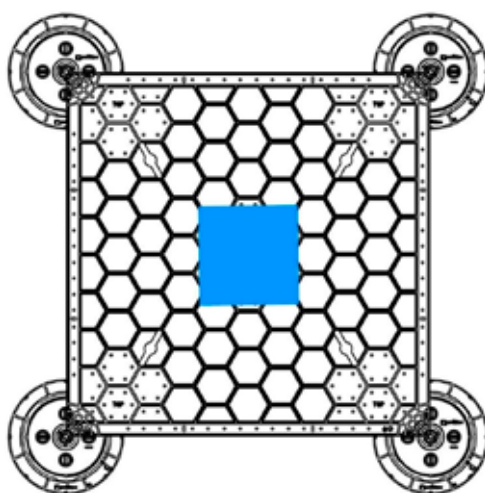
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LOAD TEST

Structure	Load (daN)	Load (lbs)
1	512	1129
2	719	1585
3	557	1227



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 positive profile