

SADDAR composite eco-anchor system for the installation of terraces, garden houses and modular houses for professionals



SADDAR Eco System
Durability in its nature



saddar.eu



Advantages of SADDAR screw-in and hammer-in eco-anchors, beams and joists for foundations, house structures and terraces

- SADDAR Eco Anchors are made of a special high-impact glass fibre reinforced composite based on post-consumer PET. They require no maintenance, are weather-resistant and do not corrode. **Eko Kotwy SADDAR wykonane są ze specjalnego**
- SADDAR Eco Anchors are significantly lighter than concrete blocks used for installing terraces/cottages.
- SADDAR eco anchors, which are screwed/driven in, **do not require the cost of levelling and smoothing the ground under the terrace/house.** Screwing or unscrewing allows **for perfect levelling** of the beams/joists under the terrace/house.



The application of eco anchors included in the SADDAR assembly system reduces investment costs (**installation can be performed by a single employee**). Screwing in eco anchors using a dedicated attachment for an SDS-Max drill is easy, quick, inexpensive and pleasant.

The eco-anchor system can be expanded with the following elements:

- dedicated plastic support posts for joists/beams, which form the basis for laying decking boards.
- plastic structural beams/joists used to build terrace structures or frames for garden houses and modular houses.



- SADDAR eco anchors, posts and beams are highly resistant to weather conditions.
 - Resistant to rain, snow and ice
 - Will never rust!
 - Do not require maintenance or protection against harmful external environmental factors.
- Eco anchors and profiles can coexist with or complement wooden or aluminium systems.
- In addition, we offer a drive-in SADDAR eco anchor with a special plate for attaching adjustable bases for terrace construction.
- SADDAR eco-friendly products are made from 100% recycled materials and meet EU requirements for the circular economy.

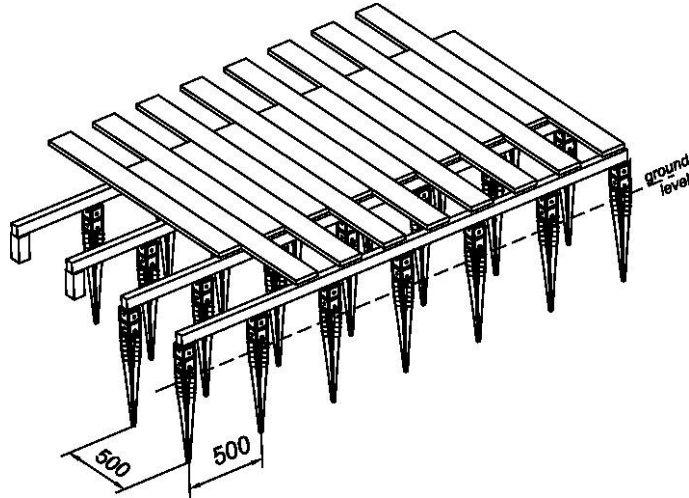
The next slide shows a table comparing the time and materials needed to build a foundation for terraces and houses using the SADDAR assembly system vs. concrete/wooden systems.

[See video >>>](#)



POINT FOUNDATION CAST IN PLACE	cost in PLN	POINT FOUNDATION, BLOCK	cost in PLN	POINT FOUNDATION, SCREW-IN SADDAR	cost in PLN	POINT FOUNDATION, DRIVEN SADDAR	cost in PLN
Drilling with a drill rig (2 persons)	25	Excavation	30	Screw-in anchor	25	drive-in anchor	25
Cardboard tube Fi 200mm H100cm	45	Crushed stone bedding and compaction	50	Mounting rod	25	Mounting rod	25
Concrete + micro reinforcement 80kg	80	Dry concrete bedding	25	Screwing in 5-8 min	25	Driving in approx. 2-5 min	25
Steel pin Fi 14 + washers and nuts	15	Block	7	-	-	-	-
Work approx. 30 min	60	Work approx. 30 min	60	Work	30	Work	20
Total time of execution 25-49 hours	225	Total time of execution 25 hours	172	Total time of execution 15 min	105	Total time of execution 15 min	95
Drilling a hole, inserting the tube and cutting to the initial height, mixing concrete, filling and vibrating the post, inserting the mounting pin, waiting approximately 24–48 hours before continuing with the next stage of work.		Digging out the soil, filling with crushed stone of the appropriate thickness and compacting, filling with dry concrete, installing the block, waiting 24 hours before continuing with the next stage of work		Determining the screw-in point, screwing in the anchor, installing the pin, then you can immediately proceed to the next stages of work		Determine the point of insertion, insert the anchor, set the pin*, and proceed immediately to the next stages of work	
TOOLS REQUIRED FOR THE JOB:							
Drill, mixer, concrete mixer Concrete vibrator		Drill, rammer or compactor		Low-speed drill with planetary gearbox, with high gear ratio		Combustion engine hammer	

SADDAR system components for the construction of terraces and houses



Scheme

Structural beams for the construction of:

- terrace frames
- house frames



Eco screw-in anchor with mounting plate PSK SCR 60/560
Eco screw-in anchors PSK SCR 71x71x600 and 71x71x720
Eco hammer-in anchor (PSK WHQ 91x91x750

SADDAR EKO SYSTEM: tools for installing terraces and houses

Screwdriver



SDS-Max drill attachment



Combustion hammer drill (Rhino)

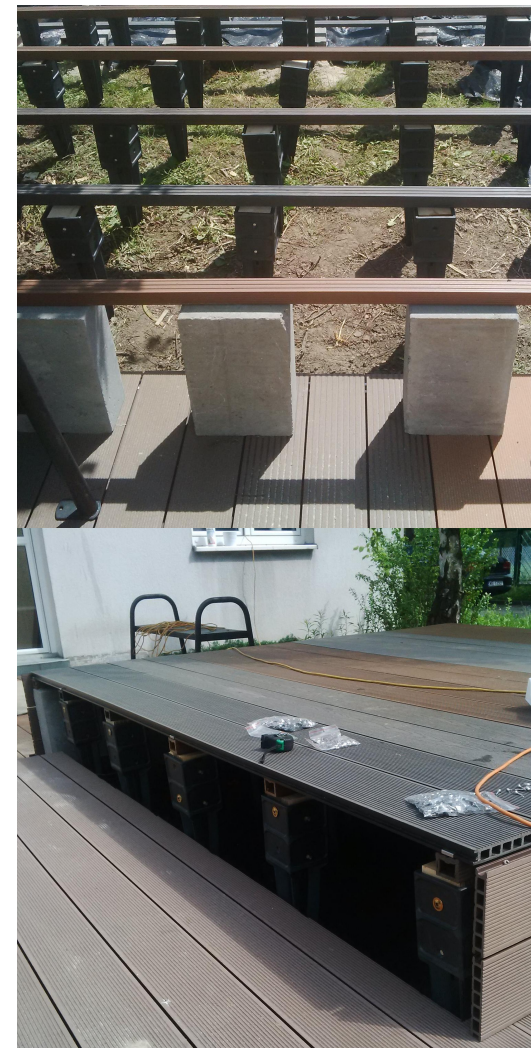
**Examples of projects using SADDAR eco anchors Złotokłós
dome model cottage near Warsaw**

1



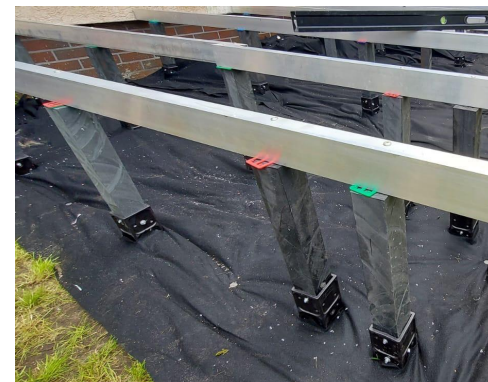
Examples of projects using SADDAR eco anchors – terraces by Prodeck Niepołomice.

2



Construction of a terrace using SADDAR eco anchors and structural beams. Terrace built by Art Deck from Kołobrzeg.

3



Construction of a terrace using SADDAR eco anchors and structural beams – single-family house near Warsaw

4



Examples of projects: modular house in Warsaw on
SADDAR PSK WHQ 91X91X750 eco anchors

5





We look forward to working with you.

PHU SADDAR
ul. Ciurlionisa 5
05-260 Marki/Warsaw

dariusz.sadowinski@saddar.eu
waldemar.federczy@saddar.eu



saddar.eu