

## TECHNICAL DATA SHEET

ACRIWHEEL SMART is our high-performance composite material flooring. It comes in the form of self-locking puzzle plates with a total thickness of 6 mm and a wear layer of 0.70 mm. Acriwheel SMART is not afraid of bearing loads such as forklifts or pallet jacks with rubber wheels. Its composition of plastic polymer and mineral material, combined with a fiberglass mesh, gives it excellent dimensional stability and makes it suitable for installation in large environments.

### Classification

Typology	EN 10581	Composite PVC flooring
Commercial classification	EN ISO 10874	34 Heavy
Light industrial classification	EN ISO 10874	43 Heavy

### Technical features

Total thickness	EN 24346	6 mm
Wear layer		0,70 mm
Weight	EN 23997	11 kg/sqm
Pattern		Natural stone
Surface		Polished stone

### Performance

Fire reaction	EN 13501-1	Bfl-s1
Residual indentation	ISO 24343	≤ 0,1 mm
Slip resistance	DIN 51130	R10
Coefficient of friction	EN 13893	DS Class
Wear resistance	EN 660-2	Group T
Static electrical propensity	EN 1815	< 2kV (Antistatic)
Light resistance	ISO 105-B02	> 6/7
Dimensional stability	EN 23999	≤ 0,15
Fungi resistance	ISO 846	Growth 0
Resistance to chemicals	ASTM F1700	Test passed

### Indoor air quality and environment

Formaldehyde emission	Class E1 (does not contain formaldehyde)
REACH regulation	Does not contain SVHC substances
Recyclability	100% ricyclable

### Format and dimensions

Self-locking tiles puzzle cut	EN 24342	930 x 580 mm
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### ACRIWHEEL SERIES

#### Substrate

The substrate intended to receive the flooring must be absolutely hard, compact, smooth, clean, flat, and permanently dry. If even minimal rising damp is present, vent points and expansion joints must be considered. A humidity test should always be conducted on all installation substrates. All ground-level floors must have an effective moisture barrier.

#### Acclimatization of the tiles

In the rooms where the installation will take place, the temperature must be maintained between 18°C and 22°C. The flooring must be kept in these conditions for at least 24 hours before installation (or 48 hours during the hottest and coldest months). This temperature should also be maintained throughout the installation process and for the following 24 hours. The boxes should be removed from the pallets and stacked in groups of five to facilitate acclimatization.

#### Laying of floors

It is emphasized that it is essential to inspect the rooms before installation, carry out any necessary repairs or insulation against rising damp, and ensure these tasks are performed correctly by technically trained personnel. Leave a perimeter space of at least 1/1.5 cm from the walls and all fixed objects in the room to allow for possible expansion, depending on temperature variations in the rooms and the size of the area. Near thresholds (doors, gates, or any islands), it is recommended to install steel profiles (from 6 to 0 mm) to prevent damage to the floor from forklift or pallet truck wheels.

Prepare steel expansion joints in the presence of large surfaces and heavy furniture that could obstruct the flooring. All tiles must be laid in the same direction.

#### Heating underlays

The flooring must be permanently glued in the presence of such substrates.

#### Increase in temperatures following solar radiation

In the presence of doors, large windows, skylights, and sun-glazed windows, the flooring must be permanently glued with a suitable adhesive, extending at least 2 meters beyond the radiation line. After this, an expansion joint should be added.

#### Floor cleaning

Once the installation is complete, remove waste material and debris, sweep or vacuum the floor, and eliminate any traces of adhesive residue. It is recommended that the initial preparation of the floor be carried out by a professional in cleaning and maintenance using appropriate equipment. Regular cleaning of the floor with commercially available products 'suitable for PVC' enhances its durability and preserves its aesthetic appeal over time.

#### Visible defects on the tiles

Before installation, inspect the tiles to ensure there are no defects. If any are found, do not proceed with the installation, but instead contact the Sogega technical office. No complaints will be accepted once assembly has been completed.

#### Carriageability of the flooring

The 6 mm flooring is suitable for the transit of fully loaded forklifts up to approximately 25 quintals and pallet trucks with a smaller capacity, in environments with a stable average temperature. Extreme hot or cold temperatures may reduce endurance performance.

Forklift wheels must be rubberized, or in the case of pallet trucks, plastic. Black rubber wheels can leave indelible marks on the floor. In the presence of furniture or shelves with small pedestals, wider platforms should be used as a base. No complaints will be accepted for scrapes from forklift blades, spills of acidic liquids, or improper use of the flooring.