

# PURPLE SOLO®

## PERMEABLE & RECYCLABLE COATING



PURPLE  
ALTERNATIVE  
SURFACE



### TECHNICAL SHEET

## PURPLE SOLO®



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1 PARKING SPACE  
= 1 TONNE DE CO<sub>2</sub> SAVED

\*EQUIVALENT CO<sub>2</sub>

# FEATURES OF THE

# PURPLE SOLO® SLAB

**PURPLE SOLO®** is a coating solution for parking areas. It allows rainwater to infiltrate deep into the water table and retain water on the surface<sup>\*</sup>.

The **PURPLE SOLO® SLAB** is easy to use, robust and environmentally friendly.

Made from unrecycled plastic and composite wastes, it is part of a circular economy approach.

**PURPLE ALTERNATIVE SURFACE** has obtained the Afnor XP X30-901:2018 norm and the Solar Impulse Efficient Solution label.

\* : Useful volume positioned at the top of the structure

## APPLICATIONS



PARKING SPACES



ELECTRIC CHARGING STATION



WORKSITE HUT



PMR ACCESS



FORECOURT & PEDESTRIAN WAY



EVENTS

## TECHNICAL CHARACTERISTICS

**Dimensions :**  
56x50X6 cm

**Coloris :**  
Charcoal grey

**Permeability :**  
Higher than 2000 liters/  
second/hectare

### Installation recommendations :



**Materials :**  
Made from 100%  
French plastic waste &  
composites

**PMR :**  
Slot & offset < 2 cm

**Resistan compressive  
strength:**  
300 tonnes/m<sup>2</sup>

Purple Solo® slab - thickness 6 cm  
Geotextile  
Laying bed 4/6 thickness 4 cm  
Shape layer 15/20 without gravel  
dust thickness 20 cm 20 cm\*

**Weight :**  
About 5 kg/slab so  
25 kg/m<sup>2</sup>

**Water retention :**  
40 liters / m<sup>2</sup><sup>(1)</sup>

**Dismantling &  
reassembly:**  
Easy access to the  
basement

Geotextile  
Existing filtering structure with a  
load-bearing capacity of 30 mpa

\* Depending on the characteristics and  
load-bearing capacity of the soil in place

**Empreinte carbone :**  
Gain du traitement de  
la tonne de déchets  
3,35 tonnes de CO<sup>2</sup>

(1) : Useful volume positioned at the top of the structure

## INSTALLATION RATE

Installation rate  
(excluding cutting) :



See our permeable  
car park

Between 20 and  
25 m<sup>2</sup> per hour per  
person.

Typical team for a car  
park: 4 people

## CONDITIONING

**Dimension** L.56 X l.50 X H.6 cm

**Weight** about 5Kg/slab

**Number of  
slabs/pallet** 80 slabs so 16 m<sup>2</sup>  
so 500kg

**Complete  
truck** 24 pallets  
so 384m<sup>2</sup>



## NORMS & CERTIFICATIONS

**Flexural strength :** 28,1 MPa according to  
NF EN 12390-2 & NF EN196-1 norms (LD contrôles)

**Compressive strength :** 32,8 MPa according to NF EN 12390-2 &  
NF EN196-1 norms (LD contrôles)

**Climate change resistance :** According to DIN EN 438-2 para 19 &  
DIN EN ISO 604 norms (TÜV SUD)

**Life cycle analysis :** Carbon savings of 3.35 tonnes<sup>(2)</sup>  
per tonne of waste reused according NF EN 15804+A1/CN2016 &  
ISO 14044 (CEDD) norms

**Drainage under roadway :** 0,0001987 m/s following tests carried  
out under the supervision of a bailiff

**Leaching :** No release of microplastic from 1mm  
to 5 mm according to CENTS/TS 16637-2 norm (SGS)

**Examination of heavy metals and PAHs :** Complies with the  
threshold values laid down in the Federal Soil Protection Act (TÜV  
SUD)

**Qualité des sols :** Préservation de la biodiversité  
des sols selon les normes NF EN ISO 11268-1 & NF EN ISO 11269-2  
(Eurofins)

**AFNOR :** circular economy. Afnor norm XP X30-901:20181

**Dimensional stability:** 1.6.10-4 K-1 according to DIN 53752 norm  
(-20° / + 60°) (TÜV SUD)

**Weather resistance:** In accordance with DIN EN ISO 4892-3 and  
DIN EN ISO 604 norms (TÜV SUD)

**Fire resistance:** Classified as a normally flammable building  
material in accordance with DIN 4102-1 norm and building material  
class DIN 4102-B2 norm (TÜV SUD)

**Resistance to solvents :** Resistant to chemicals such as  
demineralised water, petrol, motor oil, caustic soda and  
hydrochloric acid (TÜV SUD)

<sup>(2)</sup>: compared with the average for landfill and incineration