

# TECHNICAL DATASHEET

# GRAVEL FIX® PRO

## PRODUCT DESCRIPTION

Gravel Fix® Pro from TCS is an advanced recyclable stabilisation system for gravel, shells, mulch and sand. With its hexagonal honeycomb-like structure of high quality polypropylene cells bonded to a Dupont™ Typar® SF20 geotextile. Gravel Fix® Pro from TCS is designed to provide a strong and stable sub-base for the professional application of gravel on paths, driveways, car parks and roofs. Installed by professional contractors it will facilitate a strong and porous surface for residential and urban projects.



TECHNICAL SPECIFICATIONS	GRAVEL FIX® PRO
<b>GENERAL</b>	
MATERIAL	100% RECYCLED OR PURE POLYPROPYLENE (RECYCLABLE)
MANUFACTURING TECHNIQUE	HIGH PRECISION INJECTION MOULDING
MANUFACTURING STANDARDS	ISO9001, 16949 LLOYDS, REACH
MANUFACTURING LOCATION	EUROPEAN UNION
COLOUR	WHITE, GREY OR BLACK
CELL STRUCTURE	HEXAGONAL
MEMBRANE	DUPONT™ TYPAR® - 68 g/m <sup>2</sup>
DRAINABILITY EN ISO 11058	180   / (m <sup>2</sup> .s)
UV AND FROST	UV AND FROST RESISTANT
<b>PHYSICAL DATA</b>	
STANDARD SHEET SIZE L x W x H	1176mm x 764mm x 32mm (0.9 m <sup>2</sup> )
XXL SHEET SIZE L x W x H	2292mm x 1176mm x 32mm (2.7 m <sup>2</sup> )
CELL SIZE	42mm DIAMETER
WALL THICKNESS TAPERED	0.8 -1.4mm (TOP-BOTTOM)
WEIGHT PER M <sup>2</sup>	1.53 kg
GRAVEL VOLUME OR WEIGHT	50 l/m <sup>2</sup> = 75kg/m <sup>2</sup>
VERTICLE STRENGTH, EMPTY	120 T/m <sup>2</sup> (PURE PP) 95 T/m <sup>2</sup> (100% recycled PP)
VERTICLE STRENGTH, FILLED	DEPENDING ON GRAVEL 250-450 T/m <sup>2</sup>

\*All data is subject to change without prior notice by the manufacturer

- Gravel Fix® Pro is frequently used on light slopes including driveways. Specific requirements on the application depend on the circumstances on site. Please contact the manufacturer or the dealer for further advice.
- Gravel Fix® Pro white is Cradle to Cradle Certified™ Silver available in multiple sizes.

ESSENTIAL CHARACTERISTICS	TEST METHOD	UNIT	PERFORMANCE
<b>GEOTEXTILE DUPONT™ TYPAR® TECHNICAL DATA</b>			
TENSILE STRENGTH T <sup>MAX</sup>	EN ISO 10319	kN/m	MD 3.7 (-0.8) CMD 3.4 (-0.8)
DYMANIC PERFORATION RESISTANCE D	EN ISO 13433	kN/m	50 (+0)
RESISTANCE TO STATIC PUNCTURE F	EN ISO 12236	mm	0.500 (-0.08)
OPENING SIZE 0 <sup>90</sup>	EN ISO 12956	kN	225 (+/-40)
WATER PERMEABILITY V <sup>H50</sup>	EN ISO 11058	m/s	180 x 10 <sup>-3</sup> (-40 + 10 <sup>-3</sup> )
DURABILITY IN ACCORDANCE WITH ANNEX B	PREDICTED TO BE DURABLE FOR MORE THAN 100 YEARS IN ALL NATURAL SOILS WITH TEMPERATURES <25°C ON THE BASIS OF A DURABILITY ASSESSMENT (TYPARGEO REPORT 070)		

Source: DuPont™ Typar® SF20 Declaration of Performance

1. TCS Geotechnics is a trading name of Technical Civils Solutions Ltd
2. TCS Geotechnics Ltd reserves the right to alter product specifications without prior notice.
3. It is the responsibility of all users to satisfy themselves that the above data is current.
4. The above figures are average values obtained from testing to current EN ISO standards
5. TCS Ltd cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
6. Installation details are available on request.

## REGISTERED OFFICE ADDRESS

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