

# vertisol

# PLEDGE FR



VISUAL CONTACT OUTSIDE



CRADLE TO CRADLE  
CERTIFIED™ SILVER



FLAME RETARDANT



COLD-CUT, CRUSH-CUT OR  
ULTRASONIC



PLA + RECYCLED PET

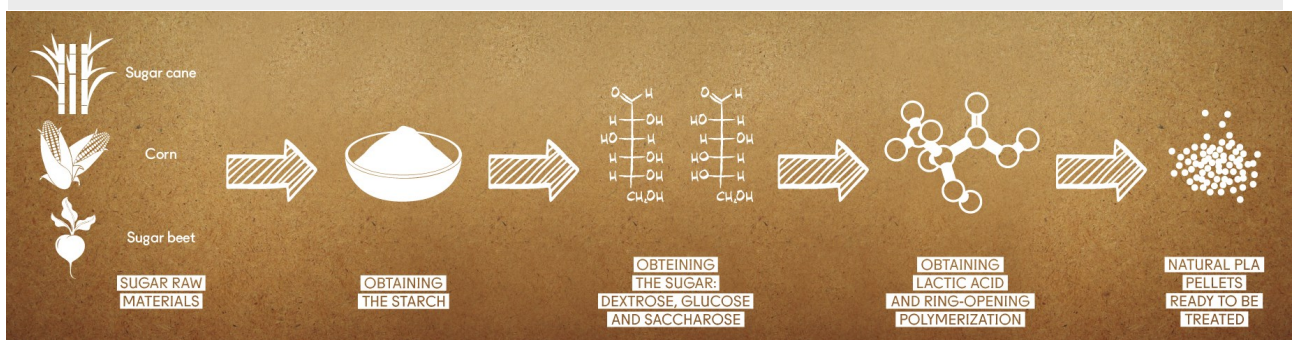


MANUFACTURED IN THE EU



Pledge FR is largely made of PLA (Poly Lactic Acid). Glucose extracted from renewable sources such as sugar cane, beets or corn is transformed after several steps into a biodegradable polymer apt to produce yarns.

Pledge FR also contains a significant amount of post-consumer recycled PET



Pledge FR Ed 6 24/10/2022

TECHNICAL PROPERTIES		
Fabric Characteristic	Standard	
Fabric composition	-	76 % PLA 24 % Recycled PET
Weight (g/ m²)		266 ± 5 %
Thickness (mm)		0.46 ± 5 %
Fire reaction	DIN 4102 NF P 92 503 NFPA 701	B1 M1 Pass
Light fastness	ISO 105 B02 (blue scale level)	≥ 6
Tearing resistance (daN)	EN ISO 13937-3	Warp: 4.0 Weft: 9.0
Breaking resistance (daN)	EN ISO 13934-1	Warp: 67 Weft: 125
Stretch (%)	EN ISO 13934-1	Warp: 33 % Weft: 46 %
Openness factor		2 %
Roll size		Width : 260 cm Length: 30 m

SUN CONTROL PROPERTIES															
	THERMAL FACTORS						OPTICAL FACTORS								
	Fabric		Fabric+Glazing												
	% T <sub>s</sub>	% R <sub>s</sub>	G <sub>TOT</sub> internal Glazing C		G <sub>TOT</sub> internal Glazing D		% T <sub>v</sub>	% R <sub>v</sub>	% τ <sub>au,n-n</sub>	% τ <sub>aun-diff</sub>	% t <sub>uv</sub>	Glare Control	Night Privacy	Visual Contact	Daylight Utilisation
Colour			G <sub>TOT</sub>	Class	G <sub>TOT</sub>	Class						Class	Class	Class	Class
Avenida Gray	22	54	0.40	1	0.26	2	17	57	2	15	2	1	2	1	2
Kaina Blue	10	26	0.49	1	0.29	2	6	23	3	3	4	3	2	2	1
Marina Gray	3	7	0.55	0	0.30	2	3	7	2	1	3	3	2	2	2
Pebble	11	25	0.49	1	0.29	2	7	27	3	5	3	2	2	1	2
Plaza Gray	18	44	0.43	1	0.27	2	14	49	2	12	3	1	2	1	1
Rambla Gray	8	20	0.51	0	0.29	2	6	21	2	4	3	2	2	2	1
White	30	60	0.38	1	0.26	2	28	69	2	25	4	0	2	0	1

Data measured according to EN 410:2011 and EN 14500:2021  
 Calculations of g<sub>tot</sub> are according to EN 52022-1  
 Classification of thermal and visual characteristics according to EN 14501:2021  
 Data of g<sub>tot</sub> are given using standard Glazing C and D.

	Standard	
Acoustic Absorption	EN ISO 354	α <sub>w</sub> = 0.25– 0.3 NRC = 0.2–0.3 (depending on mounting System)

<b>Environmental &amp; health properties</b>	⇒ <b>Cradle to Cradle certified™ Silver</b> ⇒ Content of <b>PLA</b> on coated product weight: <b>59 % (from renewable sources)</b> ⇒ Content of <b>plastic materials from separate</b> collection on coated product weight: <b>19 %</b>
<b>Manufacturing properties</b>	⇒ Always store rolls horizontally ⇒ Cold-cut, crush-cut or ultrasonic ⇒ Roller blinds: Welding: use adhesive tape ⇒ Vertical blinds: Use adhesive or sewing ⇒ Avoid using components or inappropriate packing of the manufactured blind that may cause marks on the fabric ⇒ Manufacturing direction: Blinds can be manufactured only 'drop to length' <div style="text-align: right;">↓</div>
<b>Maintenance</b>	⇒ Vacuum clean for regular maintenance ⇒ Do not wash ⇒ Avoid spraying on the fabric ⇒ Do not rub ⇒ Do not steam ⇒ Do not dry clean ⇒ Pledge FR is not suitable for humid environments <div style="text-align: right;">  </div>

*All specifications are based on average values and may deviate. The values are given for guidance and are not contractual.*

**vertisol**

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ISO 9001:2015 and  
ISO 14001:2015  
certified company