




MADERA

 7231-7237



WATER REPELLENT



EASY TO CLEAN



NON-FLAMMABLE



ANTIBACTERIAL



WEATHERPROOF



Composition	100% olefin
Weight	460 g/m ² ± 5%
Width	140 ± 2 cm
Type	woven fabric
Brand	outdoor fabric



Abrasion resistance
PN-EN ISO 12947-2:2017-02

28 000 rubs

B

Maintenance



Fuzzing and pilling
PN-EN ISO 12945-2:2002

5

A



Seam slippage
PN-EN ISO 13936-2:2005

3,5 | warp
2,5 | weft

A



Wet rubbing
PN-EN ISO 105-X12:2016-08

4-5

A



Dry rubbing
PN-EN ISO 105-X12:2016-08

4-5

A



Colour fastness to light
PN-EN ISO 105-X12:2016-08

7/8

A



Cigarette test
PN-EN 1021-1:2014-12

PN-EN ISO 105-B02

✓



1. The level of Cleanaboo and Cleanaboo+ protection can decrease after each cleaning of the fabric, but the process does not affect the look.
2. Respective fabric batches may differ slightly in shade from the colours presented in the sampler.
3. Toptextil Sp. z o.o. is not liable for mechanical damage and such as may be attributable to the improper use and/or cleaning of the fabric.
4. Bobbling and pilling are caused by the properties of the fabric and impossible to avoid entirely. This is a natural process, which occurs as the fabric is used.
5. Due to friction against the fabric, colourants can migrate from darker to brighter fabrics.
6. Long-term exposure to sunlight can cause discolouration.
7. According to ISO 13936, the proper thickness of the bead is 33-35 of the stitching per 10 cm of the fabric with the minimum distance of the stitching from the edge of the fabric of at least 1.5 cm.
8. It is assumed that depending on the type of fabric, resistance to abrasion within the scope of 2,000-4,000 Martindale cycles corresponds with the period of 1 year of the proper use of the fabric.



Category		I	II	III	IV	
	Color fastness	7233	7232	7235	7231 7234 7237	
Color fastness to:		I	II	III	IV	
	Light	PN-EN ISO 105-B02	7	7	7/8	8
	Weathering	PN-EN ISO 105-B04	6	6/7	7	7/8
	UV	ASTM G-154 (1200 hours)	4	4	4/5	5
	Washing	PN-EN ISO 105-C06 40C	4/5	4/5	4/5	4/5
	Sea water	PN-EN ISO 105-E02	4/5	4/5	4/5	4/5
	Pool water	PN-EN ISO 105-E03	4/5	4/5	4/5	4/5
	Rubbing	PN-EN ISO 105-X12	4/5	4/5	4/5	4/5

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