

Definition of Vitra cover fabrics categories

Catalog fabric	A catalog fabric means that the fabric has <u>neither been technically tested nor technically approved by Vitra</u> . The technical properties of the catalog fabric are exclusively guaranteed by the supplier. The catalog fabric is sourced one to one from the supplier according to the supplier's properties without any modification.
Vitra standard fabric	A Vitra standard fabric means, that the fabric <u>has been technically tested and technically approved by Vitra</u> . Therefore, a catalog fabric may become a Vitra standard fabric as soon as it has been technically tested and approved by Vitra.

Categories

Name	Textile norm / Vitra standard cover fabrics		
	Heavy use	Medium use	Residential use
Description	high technical values very robust and durable	robust and durable home-like and easy maintenance	very home-like, natural limited abrasion resistance

Technical requirements

	Norm	Test method	* artificial fibers fabrics / ** natural fibers fabrics if the fabric contains natural fibers in addition to the artificial ones, then the requirements for natural fibers fabrics are applied		
Abrasion resistance (Martindale)	DIN EN ISO 12947-2 (2017-3): 2 broken yarns	Vitra abradant fabric***	40.000 T	30.000 T	20.000 T
Pilling	DIN EN ISO 12945-2 (2000-11)	after 5.000 rubs fabric against Vitra abradant fabric***	4-5	3-4	3-4
Fastness to light	according to DIN EN ISO 105-B02 (2014-11)	method 5	6	5	5
Fastness to rubbing	DIN EN ISO 105-X12 (2002-12)	dry	4-5	4* / 3-4**	3-4
		wet	4-5* / 4**	4* / 3-4**	3-4* / 3**
Snagging test	only for knitted and spacer fabrics		4	(4)	-
Tensile strength			depending on the fabric and its function		
Hysteresis			depending on the fabric and its function		
Fabric resistance to stitch tear (Vitra test)	according to the Vitra standard		>= 400N		
Colour control	CIE Lab Daylight D65 Artificial light F11(TL84)		under D65 and F11(TL84): dL, da, db, dE < +/- 1; Mi < 0,5 and decision by visual control in comparison to the mastersample. The visual verification takes precedence over the measured values. Little optical deviations to the mastersample are permitted, according grade 4 EN 14323:2004(D)		
Regulations			The fabric is compliant with the REACH Regulation EC/1907/2006 • in particular the requirements regarding SVHC-substances acc. to Article 33. The material doesn't contain more than 0.1 percent by mass of each SVHC-substance. • in particular the requirements regarding regulated substances acc. to Annex XVII The material is compliant with the POP-Regulation EC/2019/1021 • in particular the requirements regarding substances acc. to Annex I and II The fabric is compliant with the Biocides Regulation EC/528/2012. Biocides are not added to the product. The fabric is compliant with the German Chemicals Prohibition Ordinance (ChemVerbotsV)		
Ökotex			required for non EU-textiles		

External tests

Vitra internal tests and supplier internal tests (except concerning the accreditation of the supplier laboratory) may only be considered as an indication. Vitra approval only takes the test results from the following accredited laboratories into consideration:

1. Öffentliche Prüfstelle Hochschule Niederrhein - Mönchengladbach (DE)
2. Centro Tessile Serico - Como (IT)
3. TESTEX - Zürich (CH)

*** In order to minimize the discrepancies of the testresults, only the abradant fabric validated by Vitra may be used for the qualification of the standard Vitra textile: **James Heal abradant fabric EN ISO 12947-1**