

adidas	Standard FTW/A&G	Document No PHM-FW0704 PHM-AG0704 (aka FGT-04)	Version 10_1	Page: 1 / 3
				Approval Date: 22/12/2025
Quality Color	Aging with Sunlight			Effective Date: 22/12/2025
				Effective Until Further Notice

Document Owner: Advanced Creation Testing – Lab Standards			
Author: Marion Peker Manager Color & Lab Standards		Approval: Andreas Peter Senior Manager Lab Standards	
Departments Affected: Suppliers, 3 rd party labs, Development and Sourcing Teams			
Version	Date	Modifications	Page
07	08.05.2020	Update to new template (A&G)	All
08	09/2019	Update to new template (FTW)	All
09	16.06.2020	Requirement section corrected	All
10	11.03.2025	Harmonization A&G/FTW, new template	All
10_1	22.12.2025	Highlighted to use photospectrometer for evaluation	All
Remarks:			

1 Purpose

Determination of the light fastness of footwear and A&G products.

2 Scope

All footwear and A&G products independent of the category and intended use.

3 Roles & Responsibilities

User Group	Responsibilities	Section	Detail	Link
Suppliers/ 3 rd party labs	Test Execution and Evaluation	Entire file	Required Equipment; Sample Preparation and Conditioning; Test Execution; Data	 ff.

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Quality Teams; Material Teams; Operation Teams	Ensure Standard is executed		Collection, Evaluation and Reporting.	
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4 **Reference Documents/Terminology**

- **ISO 105-B02:2014** Textiles – Tests for colour fastness - Part B02: Colour fastness to artificial light: Xenon arc fading lamp test
- Adidas test method FT-11: Light fastness
- **PHM-FW0100/PHM-AG0100** - Fastness evaluation
- **PHM-FW0700/PHM-AG0700** – General conditions for testing

5 **Specific Procedure**

5.1 **Equipment**

Following the same equipment as for the material test:

- Light fastness machines according to PHM-FW0111/PHM-AG0111 (FT-11)
- Fastness evaluation according to PHM-FW0100/PHM-AG0100
- Conditions according to PHM-FW0700/PHM-AG0700

5.2 **Sample**

Minimum 1 sample (e.g. shoe)

5.3 **Procedure**

1. Cut shoes lengthwise from lateral side to the middle of the shoe so that the specimen has a maximal height/width of 3 cm (Figure 1). Cut other samples in pieces so that the height of the specimen is max. 3 cm! Make sure all colors of the sample are tested.

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a. *Figure 1 – Cut samples*

2. Place only one shoe specimen as flat as possible into the testing chamber. When testing smaller specimen, leave enough space in between.
3. Expose the testing specimen for 2 hours at 550 Watts to UV light, black standard temperature 70°C.

5.4 Data Collection, Evaluation and Reporting

Check each color of the tested specimen against the non-tested original sample and evaluate each color against staining (according to ISO 105-A3/A4 for FTW) or change (according to ISO 105-A2/05 for A&G) either physical (greyscale) or digital (photospectrometer).

6 Further Information

	In all cases, the instruction manual according to the manufacturer including calibration and maintenance must be followed to ensure safety and quality.
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7 Appendix

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