

adidas	Standard FTW/A&G	Document No PHP-FW0701 PHP-AG0701 (aka FGT-01)	Version 8_2	Page: 1 / 5
				Approval Date: 10/12/2025
Quality Durability Appearance	Aging with Hydrolysis			Effective Date: 11/12/2025
				Effective Until Further Notice

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Departments Affected: Suppliers, 3 rd party labs, Development and Sourcing Teams			
Version	Date	Modifications	Page
04	22.11.2018	New format, new tables, fashion shoes added	All
05	25.01.2020	Notes for EPU material added	All
11 (A&G)	07.04.2020	New format. FW and A&G methods aligned	All
05	02.06.2020	Neon color requirements updated	All
06	22.06.2021	Requirement for neon/fluorescent color updated	All
07	20.09.2021	A&G part removed	All
08	26.02.2025	New format. Harmonization of FW and A&G methods	All
8_1	09.09.2025	Added Scope and Procedure for OMB Boxes	All
8_2	10.12.2025	Highlighted to use photospectrometer for evaluation	All
Remarks:			

1 Purpose

Determination of discoloration and change of mechanical properties of finished products through artificial ageing.

2 Scope

- All footwear products with intended use for Performance, Hybrid and Casual.
- All footwear products with intended use for Fashion that are not air freighted
- All A&G products, inflatable balls, bags and OMB Boxes.

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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 Collection, Evaluation and Reporting.	5 ff.
Quality Teams; Material Teams; Operation Teams	Ensure Standard is executed			

4 Reference Documents/Terminology

- **ISO 105-A02** – Textiles - Tests for colour fastness - Part A02: Grey scale for assessing change in colour
- **ISO 105-A03** - Textiles - Tests for colour fastness - Part A03: Grey scale for assessing staining
- **ISO 105 - A04** - Textiles - Tests for colour fastness - part A04: Method for the instrumental assessment of the degree of staining of adjacent fabrics
- **ISO 105 A05** - Textiles - Tests for colour fastness - Part A05: Method for the instrumental assessment of change in colour for determination of greyscale rating.
- PHM-FW0100/PHM-AG0100 - Fastness evaluation
- PHP-FW0700/PHP-AG0700 – General issues for testing
- adidas test method GE-16 – Shrinkage Test

5 Specific Procedure

5.1 Equipment

- Programmable humidity chamber
- Demineralized water
- Assessing color change according to ISO 105-A02/A05
- Assessing staining according to ISO 105-A03/A04
- Color assessment cabinet according to PHM-FW0100/PHM-AG0100
- Spectrophotometer according to PHM-FW0100/PHM-AG0100

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5.2 Sample

5.2.1 Number of Samples

At least 1 product (shoe, ball, bag, OMB Box).

5.2.2 Sample Conditioning

	Standard Room condition	Sample conditioning	Test condition	Re-conditioning
FW	PHP-FW0700	4h at standard conditions	60°C ± 2°C 95% ± 10%	4h at standard conditions
A&G	PHP-AG0700	16h at standard conditions	60°C ± 2°C 95% ± 10%	24h at standard conditions
Official Match Ball Box	PHP-AG0700	16h at standard conditions	70°C ± 2°C 95% ± 10% & cold: -20°C ± 2°C	24h at standard conditions

5.3 Procedure

- Adjust the humidity chamber to the requested condition. For OMB Boxes testing in cold Conditions use a freezer.
- Place the samples into the chamber/freezer and ensure they do not touch each other. Make sure balls are deflated to 0 bar.
- Remove the sample from the chamber/freezer **after 7 days (airless Miniball: 3 days)** and let it re-condition according to information of the table in section 5.2.2.

5.4 Data Collection, Evaluation and Reporting

5.4.1 Evaluation

After re-conditioning assess the specimen according to FT-00 (PHM-FW0100/PHM-AG0100).

- Check specimen for any visible change or damage of the surface, seams, lamination and air bubbles.

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- Check shoes for visible shrinkage of all materials, except EVA midsoles. The testing temperature of FGT-01 is higher than GE-16 which makes EVA shrink more. In case of shrinkage, the respective material must be tested according to GE-16 again.
- Check sample for any consumer detectable colour staining and colour change.

5.4.2 Reporting

- Pass/fail on visible changes. Balls: no delamination or any kind of damage.
- Bonding gaps should be reported in the comments of the test report.
- Report the worst evaluated color change.
- Report the worst evaluated color staining (migration).

5.4.3 Requirements for FTW

Test Method Code	Test Method Name	FTW Requirement: color evaluation according to ISO 105 A03/A04
PHP-FW0701-AHCC	Aging with Hydrolysis Color Change	All materials according to Creation Portal material requirements Except: Silicone material: ≥ 3 Clear and Semi-clear rubber materials: ≥ 3 Nubuck/Suede: no evaluation Lace tip: color change/color migration no evaluation Rust on metal parts: no evaluation neon/fluorescent color of any material: ≥ 3
PHP-FW0701-AHSH R	Aging with Hydrolysis Shrinkage	In case of shrinkage check single materials acc. to GE-16

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PHP-FW0701-AHCM	Aging with Hydrolysis Color Migration	All materials \geq 4-5		
PHP-FW0701-AHVIC	Aging with Hydrolysis Visible Changes	no visible change compared to the untested product		

5.4.3 Requirements for A&G

- Evaluation according to ISO 105 A-02/A05 (color change).
- Requirements according to individual material specs/MTCs.

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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