

Pigments Checker – STANDARD

Technical Data Sheet

1. Product Overview

Pigments Checker STANDARD is a curated reference collection of historically significant pigments from prehistory to approximately 1950. The set is designed for non-invasive technical imaging and spectroscopic examination of pigments commonly found in cultural heritage objects. It serves as a standardized reference tool for conservation science, research, and education.

2. Physical Description

Type	Standard pigments reference board
Historical Scope	Antiquity to early 20th century
Support	Archival cellulose-cotton board
Binder	Acrylic (stable and uniform)
Swatches	Hand-applied pigments
Applications	TP, MSI, IRR, Reflectance, Raman, XRF

3. Pigment Selection Criteria

The STANDARD set includes one representative pigment for each historically relevant pigment type. The selection prioritizes historically authentic materials and recipes, when possible, and pigments are verified through spectroscopic analysis in collaboration with scientific laboratories.

4. Imaging and Analytical Methods

The Pigments Checker STANDARD is designed for use with a wide range of non-invasive examination techniques including technical photography (UVR, VIS, IR, IRF, IRFC, IRT), infrared reflectography (IRR), multispectral imaging (MSI), reflectance spectroscopy, Raman spectroscopy, and X-ray fluorescence (XRF).

5. Typical Applications

- Calibration and validation of imaging workflows
- Comparative pigment analysis across spectral domains
- Training and education in conservation science
- Reference support for spectral databases
- Laboratory and field testing of analytical instruments

6. Handling and Conservation Notes

The Pigments Checker should be handled as a painted reference object. Exposure to strong light should be minimized, and the board should be stored in stable environmental conditions. Minor variations between pigment swatches are inherent to the hand-applied nature of the samples.

