

IL MICROCLIMA PER LA CONSERVAZIONE DELLE OPERE: IL DEPOSITO DI GESSI STORICI IN ACCADEMIA DI BELLE ARTI DI BRERA A MILANO

THE MICROCLIMATE FOR CONSERVATION: THE DEPOSIT OF HISTORICAL PLASTER CASTS IN THE BRERA ACADEMY OF FINE ARTS IN MILAN

SARA CAPARROTTA

Restauratrice PFP1 Materiali lapidei e derivati. Superfici decorate dell'architettura
E-mail: sara.caparrotta@gmail.com

Abstract

The deposit of historical plaster casts of the Brera Academy accommodate a valuable casts collection from a historical-artistic point of view. Gypsum is a hygroscopic and permeable material, sensitive to the presence of environmental humidity.

In 2019 a campaign of thermo-hygrometric and aerobiological analysis was conducted in order to analyze the physical, chemical and biological exchanges in which the works are subjected in the daily, monthly and annual. The aim was to understand through objective numerical values the phenomena of degradation that have involved the works and that could again aggravate their state of conservation if left there permanently. The deposit is a passive container, the microclimate in which they have been immersed for a long time has triggered serious degradation phenomena including detachment, oxidation, surface blackening and biological attack. This makes us reflect on how a proper preventive conservation campaign can effectively preserve and slow down the degradation processes of works of art.

Keywords: *preventive conservation campaign, plaster casts, thermohygrometric and aerobiological analysis, microclimate exchange, Academy of Brera*