



International Course on Stone Conservation SC13

SESSION: Evaluating performance of consolidants: field methods

INSTRUCTOR: George Wheeler

TIME: Thursday, 13th June/ 10:00 – 11:00 (1 hour)

SESSION OUTLINE

ABSTRACT

One of the most important activities that can be performed by conservators and scientists is periodic field review of the performance of consolidants. This requires having carried out a thorough review of conditions before treatment and at the time treatments have been completed to provide baselines for future review. Unfortunately, these complete reviews both at the time of treatment and years later are rarely carried out. Field evaluations are sometimes subjective though nonetheless useful and instrument-based field methods have relied primarily on ultrasonic velocity methods.

OBJECTIVES

Students should learn the value and importance of carrying out full conditions reviews and periodic reviews subsequent to treatment.



CONTENT OUTLINE

Presentation of a review methodology and a case study reviewing the performance of consolidants over a 20 year period.

READINGS

 = Essential reading material

 = Available online

-  Martin, Bill, David Mason, Jeanne Marie Teutonico, and Sasha Chapman. 2002. Stone consolidants: Brethane®: Report of an 18-year review of Brethane®-treated sites. In *Stone: Stone Building Materials, Construction and Associated Component Systems: Their Decay and Treatment*. ed. John Fidler. 3-18. English Heritage Research Transactions vol. 2. London: James and James.
-  Siedel, Heiner, and Siegfried Siegesmund. 2011. Characterisation of stone deterioration on buildings. In *Stone in Architecture: Properties, Durability*. 4th ed. ed. Siegfried Siegesmund and Rolf Snethlage. New York: Springer. 369-92.

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