

FIELD TESTS and MORTAR MIXES

for our Built Heritage

Workshop hosted by Building Limes Forum Ireland
Thursday 5th May 2016 Drimnagh Castle, Dublin 12

The workshop will be of interest to those specifying or working with mortars for the repair of buildings. It will benefit the architect / mason making the transition into working on heritage structures and serve as an update for those already working in conservation but who may not have used Hot-mixes and earth mortars. It will also be a forum for those wishing to share their understanding of pozzolans and other aids to carbonation and how to test in the field.

Participants should go away knowing

- how to interpret an existing mortar
- how to specify a good repair mortar
- the importance of understanding the materials
- how pozzolans enhance hydraulic set
- how to carry out field tests on their projects



Activities will be lead by a team of specifiers and practitioners including Chris Pennock, Mason Nirados Cathedral Norway; Pat McAfee stonemason and Engineers:- Lisa Edden; Ivor McElveen and James Powell

Time	Activity	Location	Leader
9.45 am	Registration + tea and coffee	Undercroft	
10.15 am	Welcome and Introduction + Health and Safety	Great Hall	Lisa Edden
10.30 am	Nidaros Cathedral, Norway - the experience of testing and using lime mortars in a cold climate	Great Hall	Chris Pennock
11.00 am	A look at the materials- Materials-quicklime, NHLs, earth, aggregates, pozzolans and other additives that enhance carbonation	Courtyard	Pat McAfee with Chris Pennock
11.30 am	Visual assessment and recognition of extant late medieval to early 20 th century mortars. Recognition of hot-mix lime mortars, earth mortars stabilised earth mortars, cementitious mortars and aggregates	Castle grounds	Pat McAfee and Lisa Edden
12.00 pm	Selection, batching, mixing and making mortars Including lime and sand characteristics	Courtyard	Pat McAfee & Chris Pennock
12.30 pm	Lunch	Undercroft	
1.15 pm	As before Selection, batching, mixing and making mortars and understanding characteristics of constituent parts		Pat McAfee & Chris Pennock
2.15 pm	Field tests for constituent materials and the repair mortars Recording mix details and placement for long term assessment	Courtyard Great Hall	James Powell
3.15 pm	Summary, questions and answers		
3.30 pm	Finish		

Book your place on www.buildinglimesforumireland.com €60 for BLFI members / €120 for non-members (which buys BLFI membership for 2016). Discount for students €30 + €30 membership.
 CPD recognition being sort and pending from RIAI + Engineers Ireland + CIF Heritage Contractors