

The background of the image is a curved wall made of rammed earth, showing distinct horizontal layers of different shades of brown and tan. In the foreground, a circular, light-colored concrete or stone platform is visible. On this platform, a rectangular wooden block, also showing wood grain, sits on a dark, rectangular metal plate. The lighting is soft and even, highlighting the textures of the earth and wood.

TRAINING FOR ARCHITECTS RAMMED EARTH

MOOSTE MANOR, MAY 20-24 2019



CONTENTS

03. Invitation

04. Eestimaaehitus

05. Rammed Earth

06. Buildings & interiors

07. Benefits

08. Textures & colours

09. Training

10. Trainer

11. Registration

12. Contact

Photo on cover by: Martin Rauch

Photo: Mikk Luht



INVITATION

Dear architect/engineer,

We would like to invite you to attend the International training course "Rammed Earth", May 20-24 2019, in Mooste Manor, Estonia. Eestimaaehitus - Competence Center for Ecological Building, restores an old Stable and Carriage House in Mooste Manor, where 2020 will open a Training, Product Development and Competence Center for Ecological Building. During this practical training course, we will introduce the Rammed Earth building technique and construct a partition wall in Competence Center building. The 5-day practical training course is led by Rowland Keable from England.

Photo by: Daniel McCullough

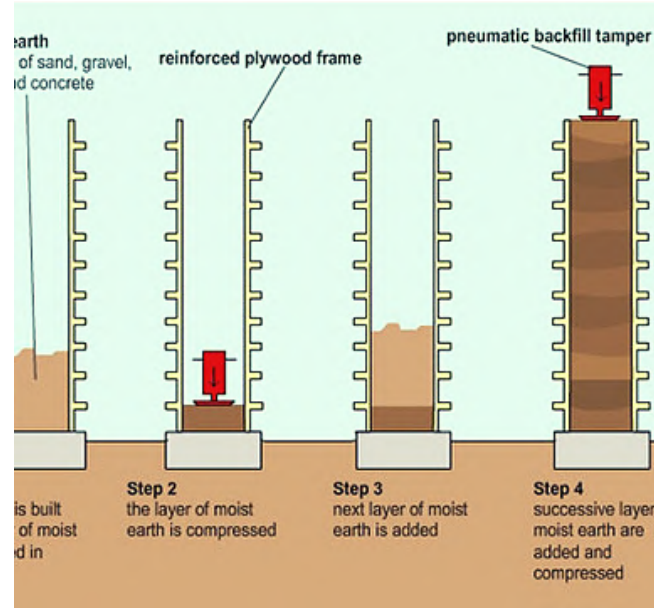


EESTIMAAEHITUS

Eestimaaehitus - Competence Center for Ecological Building - advises and connects natural building enterprises and organizations, and individuals. We offer broad educational services and promote traditional and modern solutions in field of energy efficient and natural building. We initiate cooperation between natural building enterprises and research institutions, initiate and manage local and International projects, and International networking. In 2020, we will open a Training, Product Development and Competence Center for Ecological Building in Mooste Manor.

Photo by: Mikk Luht

RAMMED EARTH



HISTORY

Rammed earth walls in a wide variety of structures and applications have been constructed throughout the world over many thousands of years, including sections of the Great Wall of China.

Photo by: Gwydion Madawc Williams

TECHNIQUE

Rammed earth is formed by compacting loose moist sub-soil, placed in layers 10-15 cm deep, inside the temporary formwork. Compaction is generally dynamic, through the use of manual or pneumatic rammers.

Drawing by: greenspec

MODERN

For modern construction it offers a beautiful, high-quality, durable and sustainable building method suitable for a range of external and internal applications, such as walls, floors, furniture and design elements.

Photo by: Matthew Millman



Photo by: Robert Reck



Photo by: Matthew Millman



Photo by: Kevin Dolmaire



Photo by: Martin Rauch



Photo by: Martin Rauch

BENEFITS



SUSTAINABLE

Rammed earth has very low embodied energy content, it is re-usable and safe for the environment. Massive earthen walls accumulate heat and balance relative humidity. Improved indoor climate and more energy efficient building.

Photo by: Adrian Gregorutti



NATURAL

Working with natural materials is pleasurable and it does not harm your health. Premises finished with natural materials provide better living and working environment and are an integral part of the modern architecture.

Photo by: Michael David Rose



DISTINCTIVE DESIGN

Internal rammed earth walls do not require finish coatings. Unique results can be created by adding decorative rocks, seashells or different colours of clay. Rammed earth walls are works of art of the modern building.

Photo by: Kevin Dolmaire



Photo by: Kevin Dolmaire



Photo by: Richard Jones



Photo by: Mikk Luht



Photo by: Kevin Dolmaire

TRAINING SITE

Stable and Carriage House, Mooste Manor, Estonia
May 20-24, Mo-Fr 9.00 am - 5.00 pm



PARTICIPATION FEE

The fee is 450 € and it includes: theory, presentation, introduction to materials, practical methods, tools and resources necessary for practical work, lunch.



SAFETY

Practical training takes place at the building site, participants are obliged to wear safety footwear and helmet.



ACCOMMODATION

Mooste Manor Guesthouse.
Price from 22 €/night.



CATERING

Breakfast is included in accommodation price.
Lunch is included in participation fee.
Dinner 12 €





TRAINER

Honorary Professor Rowland Keable, UNESCO Chair on Earthen Architecture.

CEO and Project Officer, Earth Building UK and Ireland, Director Rammed Earth Consulting CIC. Rowland has worked with rammed earth technology since 1985 including Passivhaus local authority classrooms where thermal and humidity loads are an issue. Acting as consultants in each case the work was carried out by non-earth specialist designers and contractors.

Rowland is also involved in writing construction codes and standards both in the UK, Europe and Africa. Rowland was an active member of a group working on a European skills training standard ECVET for earth structures. His participation lead to the publication of UK standard training documents for earth building and plasters.

Rowland continues to pursue standards harmonisation with the British Standards Institution in pursuit of a first Euro norm for earth building. Work in standards is another facet of a career which has involved building, teaching, training, researching, publishing and taking a 'by all necessary means' approach to acceptance and use of earth as a building material.

Photo by: Mikk Luht



Photo by: Matthew Millman



CLICK TO REGISTER





CONTACT & FOLLOW US

EESTIMAAEHITUS

Competence Center for Ecological Building

Mooste Manor, Mõisahoovi tee 5,
Põlva vald, Põlvamaa 64616, Estonia

Phone: +372 56 226 066

tere@eestimaaehitus.ee

www.eestimaaehitus.ee



Photo by: Mikk Luht