

# NEW EUROPEAN BAUHAUS AWARDS

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## TECHNIQUES, MATERIALS AND PROCESSES FOR CONSTRUCTION AND DESIGN



**ERDEN PURE Walls are prefabricated unstabilised rammed earth building elements** made from 100% natural earth and are fully recyclable. Specifically, the material is unstabilised, which means no cement is added to the earthen mixture. This key distinction allows PURE walls to passively regulate indoor temperature and humidity, they deodorise spaces, and offer a unique haptic materiality suited to contemporary architecture. The raw material is earth excavated from local building sites, usually a waste product, which is then adapted with sand, gravel, or clay to make it suitable for construction. The mixture is poured into long courses of formwork and rammed one layer at a time with a specially developed machine. Each course of finished wall is then cut into large elements and dried naturally until it is ready to be transported to site and built up like bricks. The prefabrication process optimises production and construction, transforming an ancient labour-intensive technique into one that can produce consistent and high quality output that is able to compete with other industrialised building materials. This technique, developed by Martin Rauch and his company Lehm Ton Erde (Loam Clay Earth), fully aligns with sustainable, cradle-to-cradle, building principles.

## ERDEN PURE Walls Prefabricated Unstabilised Rammed Earth Elements for a Sustainable and Circular Building Industry

AUSTRIA SCHLINS

### SUSTAINABLE

Cradle-to-cradle  
Natural materials  
Reduced CO2 emissions

### AESTHETICS

Baukunst ('building art')  
Seamless surfaces  
Versatile

### INCLUSION

Education  
Cooperative,  
sustainable investment  
Co-creation

