

# **Invitation to Tender: Professional Processing and Installation of Slate-Lite on an ETICS Facade in Compliance with Relevant DIN Standards**

## **Project Description**

The aim of this construction project is to clad a building facade with Slate-Lite, an innovative real stone veneer. The installation will be carried out on an External Thermal Insulation Composite System (ETICS) facade. Particular emphasis is placed on compliance with relevant DIN standards to ensure the highest quality, durability, and energy efficiency.

## **Product Specification**

Material: Slate-Lite (real stone veneer)

Properties: Flexibility up to a minimum radius of 5cm, weight approximately 1.5 – 3 kg/m<sup>2</sup>, thickness 1-3 mm, natural stone material with fiberglass backing layer

Color, Pattern, Format: According to catalog, standard formats are 240 x120 cm, 122 x61 cm or custom sizes project-specific

## **Application Area**

Substrate: External Thermal Insulation Composite System (ETICS)

Application Site: Building facade

Purpose: Aesthetic design

## **Relevant DIN Standards**

DIN 18516-1: Cladding for external walls, ventilated, requirements, testing principles

DIN 4108-3: Thermal protection and energy savings in buildings - Climate-related moisture protection - Requirements, calculation methods, and guidelines for planning and execution

DIN EN 13499: Thermal insulation products for buildings - External thermal insulation composite systems - Products made of expanded polystyrene (EPS) - Specification

## **Bill of Quantities**

Preparation of the Substrate:

Checking the ETICS surface according to DIN EN 13499

Ensuring a clean, level, and load-bearing surface

Reinforcement fabric must be in the upper third of the plaster layer (DIN 13914 and DIN 18550)

Cutting and Adjusting Slate-Lite:

Precise cutting in compliance with DIN 18516-1 for external wall cladding

Adjusting to architectural details according to building standards

Cutting with a circular saw, blade Z 30 - 60

Installing Slate-Lite:

Selection of an adhesive system that meets the requirements of DIN 4108-3, e.g., Slate Lite

Extreme Adhesive

Installation in compliance with DIN standards for durable and secure fastening

Grouting and Sealing:

Application of grouting materials that meet the requirements of DIN 18516-1

Sealing measures in accordance with DIN 4108-3 to avoid thermal bridges

Sealant must be approved for natural stone

### **Request for Proposal**

Interested companies are requested to submit a proposal that details compliance with the mentioned DIN standards. The proposal should include a detailed plan for project implementation as well as a cost and schedule plan.

Deadline for Submissions: [Specify Deadline]