



HOW FAVETON CONTRIBUTES TO CREATING A GREEN BUILDING AND PROTECTING THE ENVIRONMENT

FAVETON TERRACOTA S.L. Ceramic Ventilated Façade tiles contributes to a green building and towards a healthy environment in the production process.

1. The raw materials used to manufacture the tiles are 100% natural (clay, natural enamels, and water), and abundantly available. FAVETON TERRACOTA S.L. also uses environmental production process which minimizes the impact of the process on the environment.
2. Faveton optimized the thermal output with a three floors drying, by this way we introduce the maximum capacity of material with the same consume. All glaze materials are without plumb.
3. Concerning the oven, Faveton contributes to Kyoto Protocol which objective is reducing emission of gases of green house effect who cause the Global Warning.
4. The tiles are supplied cut-to-size and may be further cut on site and off-cuts may be also being installed, thereby contributing to very little construction waste. During production also, the wastage and off-cuts are recycled into the process like ties to and therefore very little waste is generate.
5. All water of the production process is treating in sewage treatment plant, with this Faveton avoid the extra consume of water.

FAVETON LIKE GREEN PRODUCT

The advantages of using Faveton Ceramic Rain screen Façade System as against conventional Clay tile systems and stone and granite options are mentioned below:

1. Extremely low absorption (3-6% as per ISO test 10543-3) categorized as TERRACOTTA STONEWARE. Like consequence reduce the penetration/impact of pollution on tiles.
2. Extremely high density of the tiles (2,33 g/cm³).
3. Extremely high resistance to UV (level 0 as per UNE- EN ISO 11507.2002) like consequence slower “ageing” process of tiles.
4. High Impact Strength (coefficient of Restitution of 0.83 as compared to the standard of 0.55 as per ISO Test 10545-5).
5. The tiles don't emit any hazardous gases, and therefore have no adverse impact on local environment and outdoor air quality.
6. Faveton tiles are therefore delivered with a 25 years warranty against any manufacturing defects or deviations from the specified ISO norms.
7. Additionally, from the Green Architecture point of view, The Faveton system offer the following benefits:
 - a. The ventilated system of installation couples with the coefficient of thermal transmittance of the tiles reduces the solar heat gain of the building, thereby reducing the capital expenditure and running cost of **HVAC** (Heating, Ventilating, and Air Conditioning).
 - b. Excellent technical performance: mechanical resistance, durability and frost resistance.
 - c. Energy savings for building.
 - d. Zero maintenance. No ageing with pollution.
 - e. Antigraffity treatment
 - f. Low water absorption.
 - g. Variety of concealed fixing systems, in order to adapt to different modular layouts.
 - h. Variety of colours, finishes, format and special pieces.

For all above reasons, FAVETON Ceramic Rain screen Façade tiles are regarded as the next generation of Clay tiles for Ventilated Facades.