Pilot production of InnoWEE panels

Following the most strict and advanced industrial standards, under a fully automated monitoring processes, the “Technology Upscaling Pilot Plant” (TUPP) has been designed by AMS in such technical flexibility that is capable to upscale a wide range of technologies. The TUPP was modified to meet all the specific requirements of the HDG panels. The modified pilot line involves many steps like 1) preparation of raw materials, 2) pre-mixing, 3) mixing, 4) casting, 5) post curing, 6) curing, 7) painting and 8) logistics.

Life cycle assessment of the façade panel

Life cycle assessment (LCA) is the study of the environmental impacts related to different life cycle stages of the product. In InnoWEE project ZAG performs life cycle inventory and impact assessment for four types of panels where secondary raw materials are used. The processing and the preparation of secondary raw materials must be taken into account when calculating the environmental footprints. Due to the substitution of virgin materials with secondary raw materials considered “waste” the environmental footprints tend to be lower as when using virgin materials.

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