

JACKODUR®

Insulation under screed.



Installation Instructions

JACKON
by BEW/

General

The installation of JACKODUR® thermal insulation under screed is a major application area. According to the application area of DIN 4108-10, JACKODUR® is suitable as insulation under screed without sound insulation requirements (DEO). Due to its high compressive strength and low compression, JACKODUR® is particularly well-suited as thermal insulation under industrial screeds.

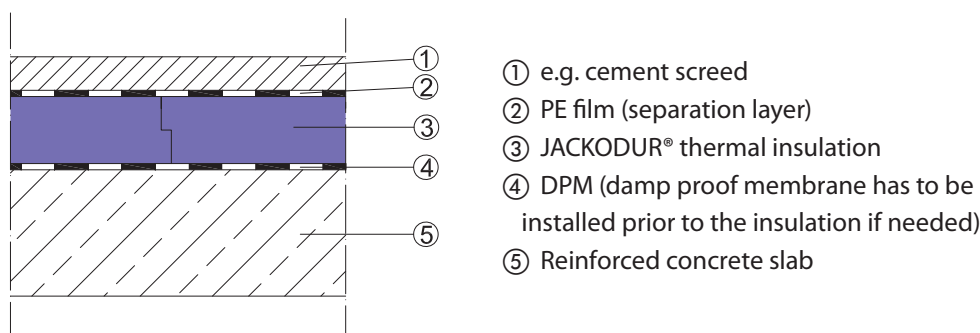
Industrial screed

Industrial screeds are primarily installed in spaces used for industrial or commercial purposes. They are subject to considerable stress from loads imparted by storage areas, traffic loads (HGVs, fork lift trucks) or machinery. They must also satisfy particularly demanding requirements relative to wear resistance. The requirements for insulation material in industrial buildings mainly involve insulation properties and compressive strength. Vertical compressive stresses – “continuous load” comprising such elements as internal fixtures, shelves, supports, traffic, etc. – occur primarily in combination as loading on the insulation layer. In the design of insulation materials under the screed, continuous compressive strength (compression < 2%) must be applied as a critical parameter.

Installation of JACKODUR® insulation boards

In the processing of JACKODUR® insulation boards, note that the boards must be installed with tight joints and secured to prevent sliding. They must lie in full contact with the substrate. Avoid cross joints and gaps. Fill gaps and/or open joints with trimmed strips of insulation material or, if necessary, with a solvent-free PU foam. JACKODUR® extruded foam boards with stepped profile can be installed in a single layer as an insulation layer without thermal bridges. In multilayer configurations, take care to offset the joints. When applying the screed mortar, protect the insulation layers to ensure that their functional capability is not impaired. Avoid transient heavy loads that reduce the insulating effect of the insulation layers. The load-bearing substrate to which the floating screed is applied must comply with the requirements of DIN 18202. No pointed protrusions, pipelines or similar elements may weaken the screed. Expansion and/or edge joints must be formed across building joints and along the edges. Building planner must prepare a jointing plan designating the type and arrangement of joints.

JACKODUR® insulation under screed



Note

The information in this publication represents our current state of knowledge and experience. They do not represent any guarantee in the legal sense of the term. When using these products, the specific conditions relative to the particular application must always be taken into account, especially with regard to structural physics, civil engineering and statutory building regulations.

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