WATERPROOFING SYSTEM
INVERTED ROOF WITH FLOATING TILE
NEXA POLYUREA

NEXA COATINGS

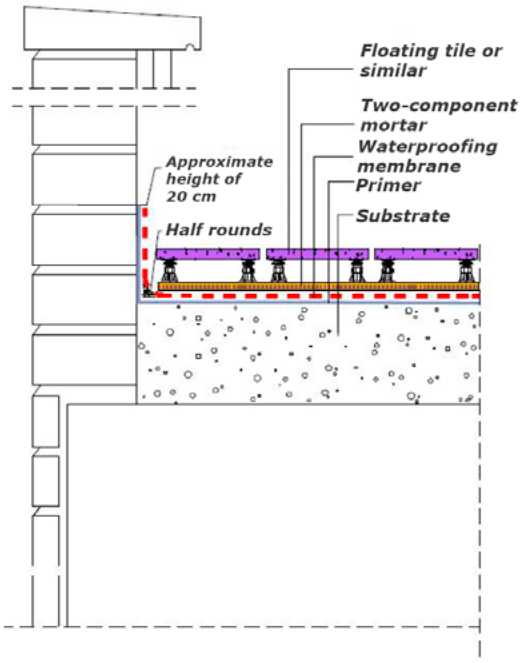
Details and definition of the constructive solution for inclusion in the waterproofing project of inverted roofs with floating tiles using a hot-applied polyurea liquid membrane, 1:1 by volume, NEXA POLYUREA. Depending on the technical and aesthetic requirements of each project, the system can be implemented using the membranes specified in the attached table.

Constructive solution for the inverted roof system with floating tiles

Waterproofing of the inverted roof with floating tiles using a hot-applied polyurea liquid membrane, 1:1 by volume, NEXA POLYUREA, with a dosage of 0.410 lb/ft² (2 kg/m²) without reinforcement. The process includes cleaning and preparation of the substrate, priming (or vapor barrier if necessary), treatment of downspouts, expansion joints, intersections, and singular points, in compliance with the manufacturer's technical specifications.

Place a layer of NEXASMART FLEX mortar on top of the membrane, with a thickness of 0.0787 to 0.1181 in. (2-3 mm); thermal insulation, and finish with floating tiles or similar.

The performance is 0.307 to 0.410 lb/ft², equivalent to 47.24 mils thickness (1.5-2 kg/m² equivalent to 1.2 mm thickness). Apply in 1, 2, or 3 coats.



MEMBRANES AVAILABLE FOR THE SYSTEM

NEXA PU CLASSIC

NEXA POLYUREA

NEXA POLYUREA COLD

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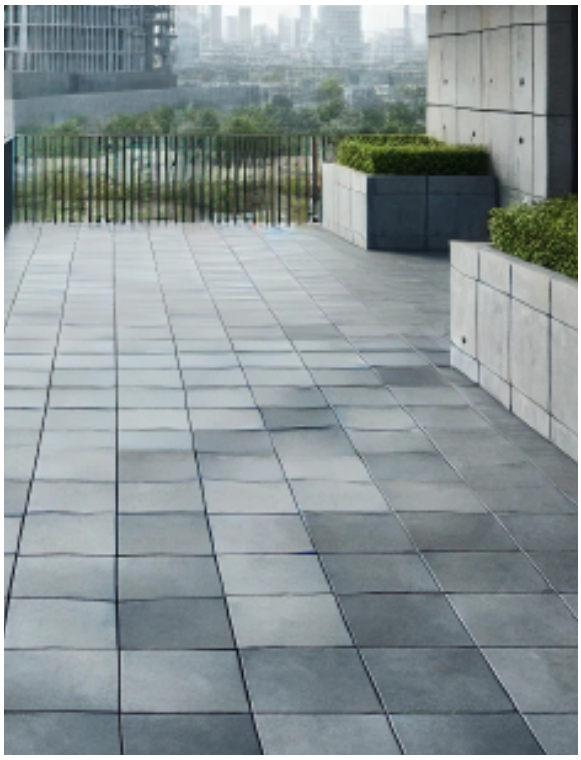
The adhesion of the material depends on the quality of the substrate. Proper substrate preparation, correct treatment of singular points, and the selection of the most appropriate primer are essential. Below, we outline some key considerations and refer you to the annex, where you can find more detailed information. Please note that these systems and treatments are generic and do not take into account the specific characteristics of each project, so we recommend contacting the technical or commercial support team in your area.

Substrate Preparation

Analysis and preparation of new or rehabilitated substrates
Ensure that the surfaces are smooth, clean, dry, and as hard as possible, following the guidelines provided in the "Preparation and Treatment Guide for Singular Points."

Repair surface defects, irregularities, cracks, and gaps using polyurethane sealant. *(See www.nexacoatings.com)*



Treatment of Singular Points

Intersections with downspouts, expansion joints, sharp edges, coves, mechanical fixations, cable penetrations, edge trims, and border treatments:
These should be addressed using NEXA MASTIC PU polyurethane sealant or mesh, according to the diagrams provided in our "Preparation and Treatment Guide for Singular Points." (*See* www.nexacoatings.com)

Priming

Depending on the quality, porosity, or nature of the substrate to be coated, or the type of product to be used, it may be necessary to apply, with a consumption of 0.02 to 0.09 lb/ft² (0.100 to 0.450 kg/m²), one of the following primers: NEXA PRIMER EPOX W or NEXA PRIMER PU 2K. Some waterproofing applications may require a vapor barrier, which can be created with NEXA PRIMER EPOX W (0.12–0.20 lb/ft² (0.6–1 kg/m²) depending on the substrate's porosity). (See www.nexacoatings.com)

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