



SIKABIT[®] PROMELT

BITUMINOUS WATERPROOFING SYSTEMS

SikaBit[®]
ProMelt 



SIKABIT® PROMELT BITUMINOUS WATERPROOFING SYSTEMS



COMPLETE ROOFING SOLUTIONS FROM SIKA

Building on Sika's trusted expertise as a global leader in roofing solutions, SikaBit® ProMelt offers the outstanding waterproofing performance and design versatility of Hot Melt. SikaBit® ProMelt can be used in a variety of new and refurbishment applications across a wide range of sectors.



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INTRODUCING SIKABIT® PROMELT BITUMINOUS WATERPROOFING

SikaBit® ProMelt is a hot-applied liquid used for inverted, cold, flat roof constructions, or for podiums, balconies, walkways and terraces.

SikaBit® ProMelt and its associated products are fully certified and accredited by the British Board of Agrément (BBA). For further information please view BBA certificate, No. 19/5682.



SIKABIT® PROMELT BENEFITS

Lifetime durability

The SikaBit® ProMelt formulation is designed to give waterproof integrity for the design life of the roof in which it is incorporated.

Monolithic and non-tracking

Each layer of the system is fully bonded, preventing the tracking of water beneath the system.

Design versatility

It deals easily with penetrations, can be applied in difficult weather conditions and is unaffected by standing water.

Year-round application

It retains excellent low temperature adhesion and flexible material properties, so can be applied in low temperatures. Once applied, it is almost immediately unaffected by rain, wind or snow and can sustain foot traffic.

Application flexibility

Hot Melt can be laid piecemeal or simultaneously alongside other trades.

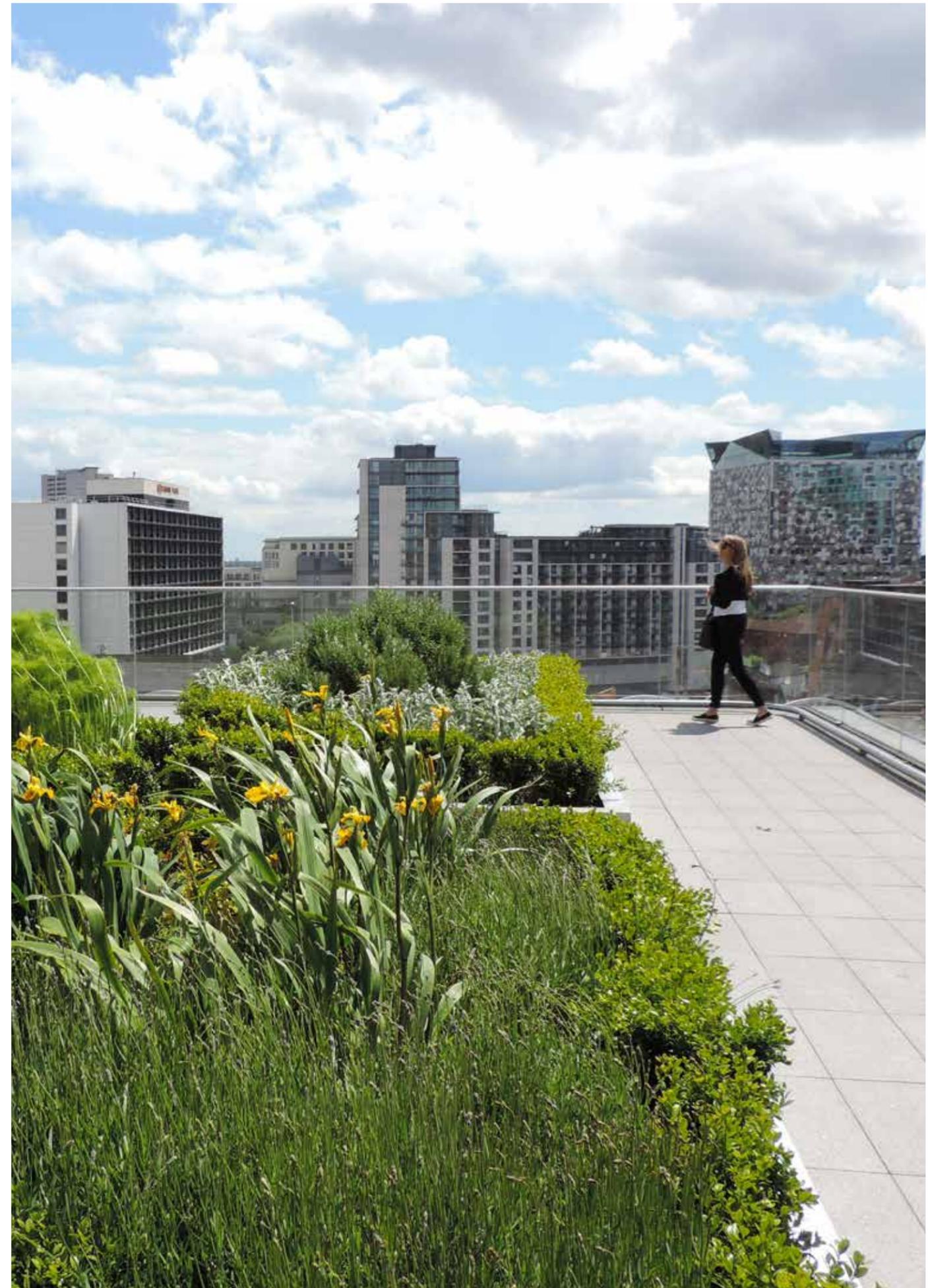
On-site support

All SikaBit® ProMelt installations are monitored by our network of Field Technicians, in line with a range of comprehensive guarantees.

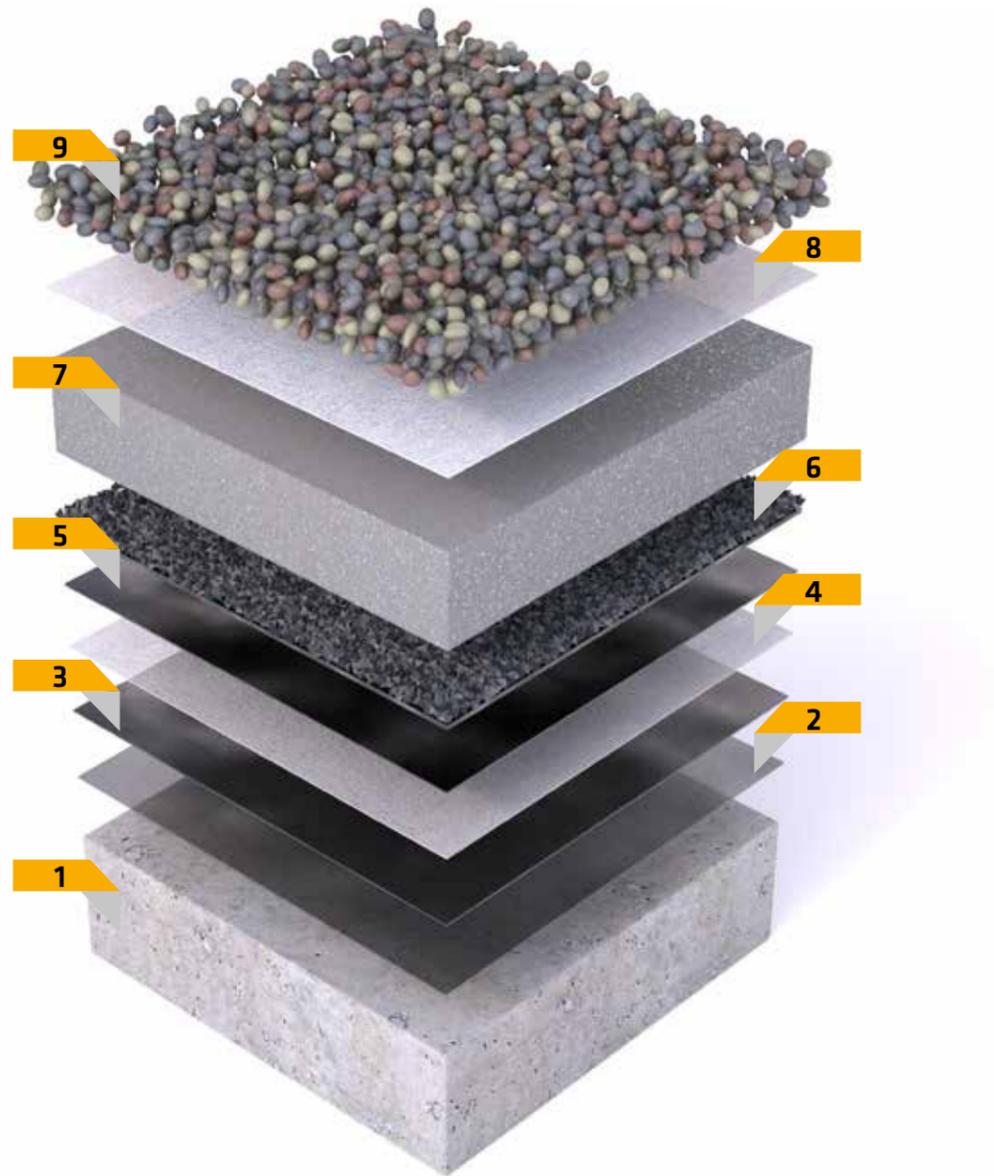


MANUFACTURE AND SUSTAINABILITY

15% of our hot melt compound is made using recycled materials and does not require any additional packaging such as cardboard. The compound blocks are simply melted along with the outer protective film, reducing on-site waste.



SIKABIT® PROMELT SYSTEM BUILD-UP



Key

- | | |
|--|--|
| 1. Concrete deck | 6. Protection layer - SikaBit® Roof Access Layer |
| 2. Primer - Sika Igoflex® P-15 UK | 7. Insulation - Sikatherm® XPS |
| 3. Hot Melt compound - SikaBit® Hot Melt 50/70 | 8. Water flow reduction layer - SikaRoof® Water-Infiltration Reduction Layer |
| 4. Reinforcement layer - SikaBit® Roof F-50 | 9. Ballast |
| 5. Hot Melt compound - SikaBit® Hot Melt 50/70 | |

SIKABIT® PROMELT SYSTEM FEATURES AND BENEFITS

FEATURES

BENEFITS

Layer 1: Concrete substrate*

- Can be laid completely flat*. Refer to BS6229 for further guidance

Layer 2: Primer -
Sika Igoflex® P-15 UK

- Easy to apply and quick drying
- High adhesion to different structural deck types and substrates

Layer 3: Hot Melt compound -
SikaBit® Hot Melt 50/70

- Outstanding durability
- Monolithic application
- Fully-bonded - non-tracking

Layer 4: Reinforcement layer -
SikaBit® Roof F-50

- High tensile strength
- Provides multi-directional reinforcement to cope with structural movement

Layer 5: Hot Melt compound -
SikaBit® Hot Melt 50/70

- Outstanding durability
- Monolithic application
- Fully-bonded - non-tracking

Layer 6: Protection layer -
SikaBit® Roof Access Layer

- Effective trafficable surface
- Easy to install

Layer 7: Insulation -
Sikatherm® XPS Inverted Insulation

- High compressive strength
- Excellent lambda value compared to other types of inverted insulation

Layer 8: Water flow reduction layer -
SikaRoof® Water-Infiltration Reduction Layer

- Reduces the passage of water through the insulated zones to increase the overall thermal performance of the roof

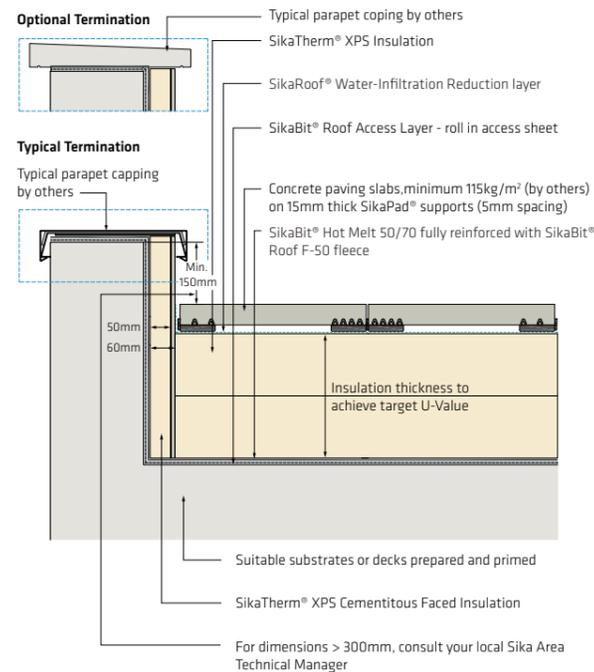
Layer 9: Ballast

- >80kg/m² ballast weight (as project requires)

*Concrete must be suitably prepared in accordance with the specification.

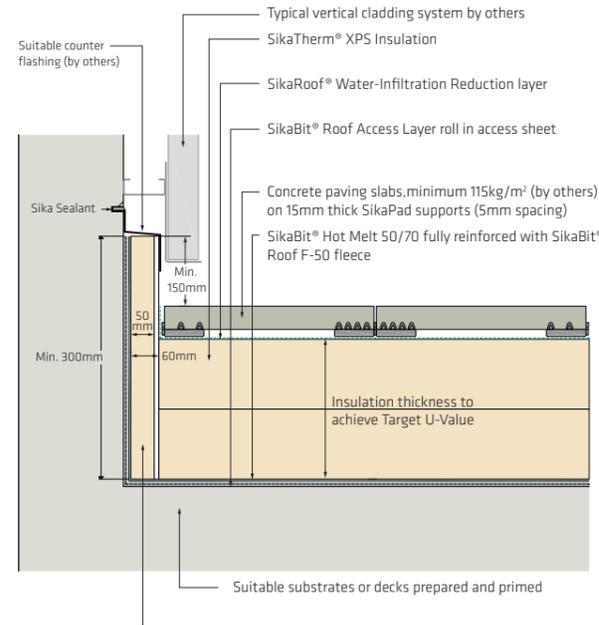
SIKABIT® PROMELT SYSTEM DESIGN DETAILS

These pages show a range of typical SikaBit® ProMelt design details. The options for dealing with various constructions and penetrations are numerous. Please contact Sika's Roofing Technical Services for further details or visit www.sikabit.co.uk

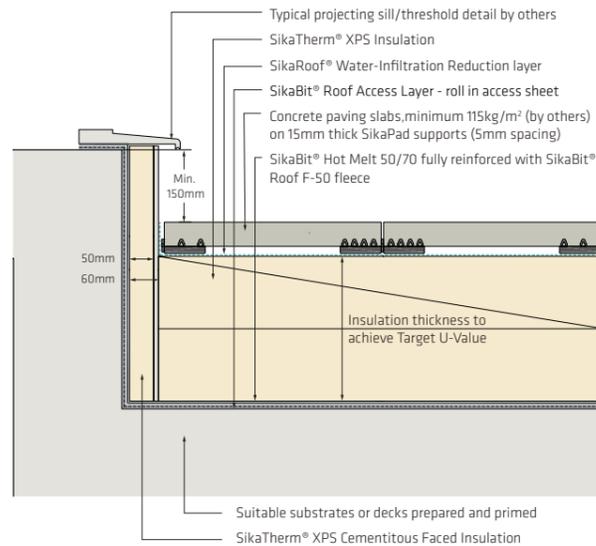


Insulated parapet

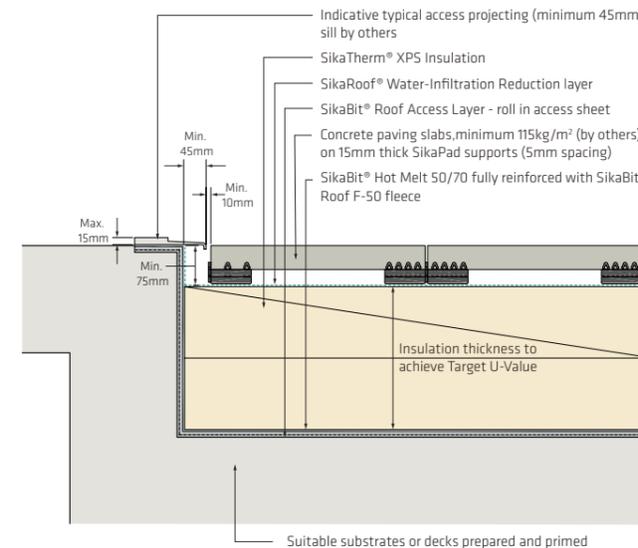
For dimensions > 300mm, consult your local Sika Area Technical Manager



Insulated parapet - minimum 300mm requirement

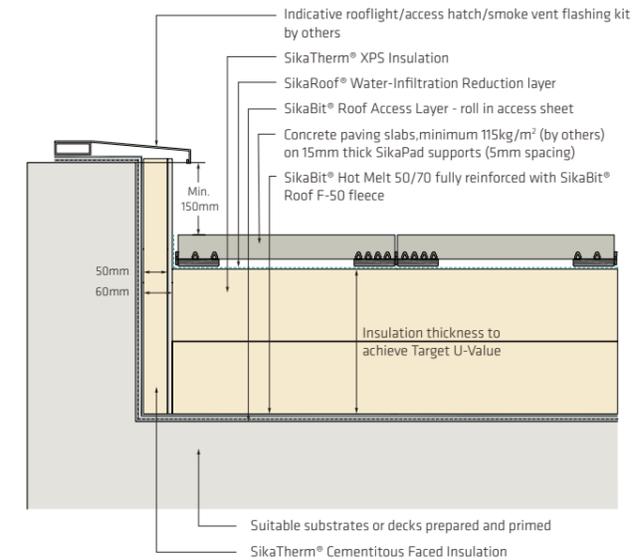


Upstand - threshold - 150mm - roof access

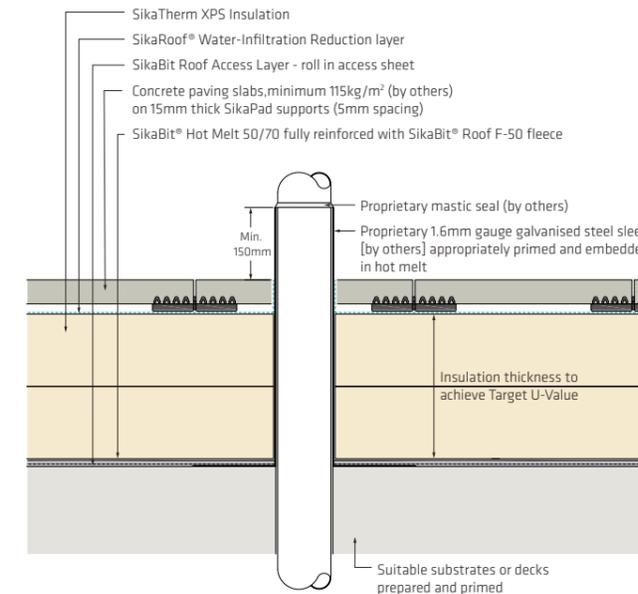


All design aspects of an inverted roof low access threshold must be fully compliant with BS 6229:2018 - Section 4.5 - Figure 6

Upstand - level access threshold - 75mm - terrace ONLY

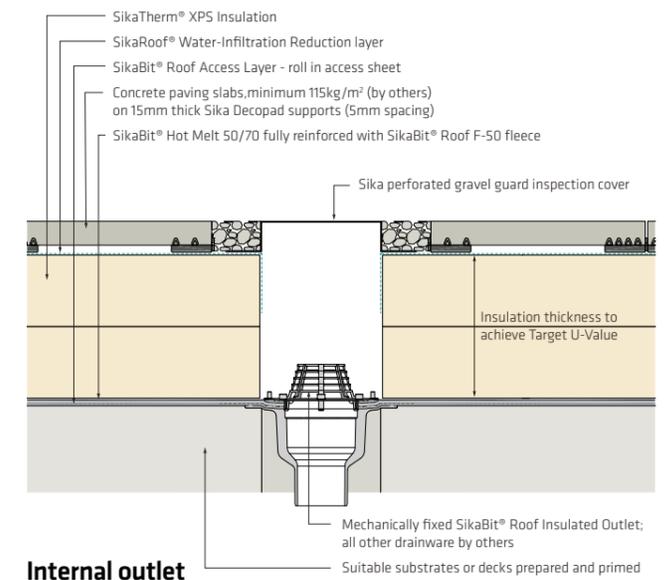


Rooflight builder's kerb

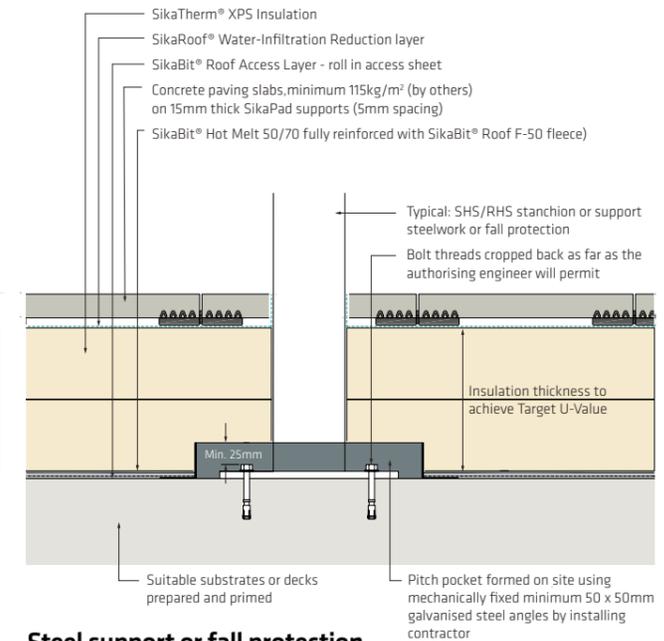


Penetration

All details assume that all items are laid in strict accordance with SikaBit® ProMelt Project Specifications



Internal outlet



Steel support or fall protection

WHY CHOOSE SIKABIT®?

EXCEPTIONAL SERVICE



A consultation and roof condition survey carried out by our experienced technical team (where required)



Design and specification support from our experts



Site support with every application



A range of guarantee options



A hand-picked national network of experienced contractors, trained and quality assured by us

QUALITY ASSURED PRODUCTS



UK Manufactured and ISO 9001 certified



SikaBit® products are BBA-approved

GUARANTEES YOU CAN TRUST



SikaBit® Product Guarantees of between 20 and 25 years are available.



Sika can also offer our SikaBit® Extended Product Guarantee & Installation Certificate, which covers the entire roofing system - underwritten by Sika. This includes additional cover for workmanship should the SikaBit® Certified Contractor cease trading during the guarantee period - giving you complete peace of mind.

SIKA ROOFING - APPLICATIONS SUPPORT IN 2019

4 Roofing Brands



24 Team Members



6,072 Field Technician Visits



NEW BUILD



REFURBISHMENT

609 Contractors Attended On-Site Training Support Vehicle Workshops



112 Attendees at Introduction to Roofing Courses



623 Contractors Trained at the Sika Training Academy



260 Contractors Trained under the Basic Competency Programme (BCP)



EXPERIENCED WORKER

FURTHER INFORMATION



TRAINING

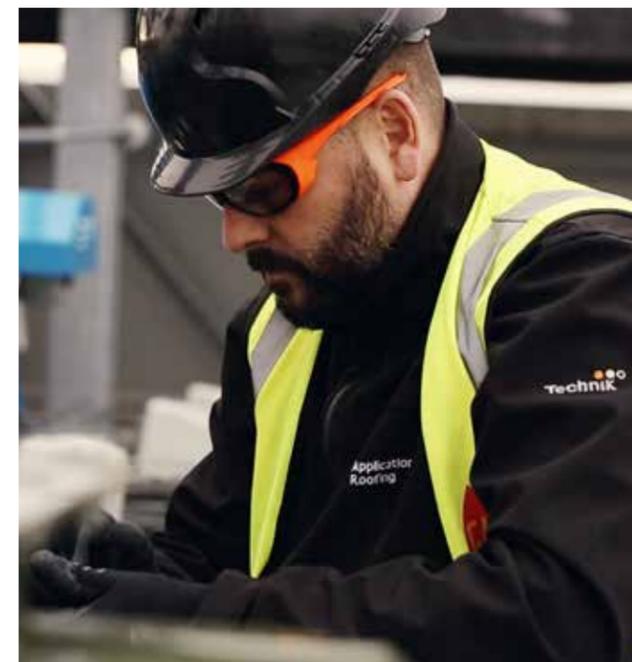
- Designed exclusively for our Certified and Verified Contractors, our training course focuses on ensuring that installers have an in-depth knowledge of our SikaBit® systems, and experience of the techniques required to install them correctly
- Our training course, at our Training Academy, in Preston, combines theory, demonstrations, and a practical application workshop, to give installers hands-on experience of the SikaBit® range

DESIGN CONSIDERATIONS

Following a detailed inspection of the roof, the following design factors should be established:

- The required thermal performance/u-value of the roof
- Any additional loading to the roof structure due to the new roof build-up
- The required compressive strength of the insulation where permanent plant or equipment is/will be located on the roof
- The required fire performance
- Any acoustic requirements
- Wind uplift calculations
- Drainage requirements, including falls to the roof surface
- Lightning protection requirements
- Safety provision (collective measure, fall restraint or fall arrest)
- Rooflight requirements

Our technical team will work with the principal designer and all stakeholders in the contract chain to develop a fully bespoke project specification.



GUARANTEE OPTIONS

We offer a flexible approach to guarantees, so that you can select a guarantee that meets your requirements:

- Our SikaBit® ProMelt Product Guarantees certify product performance, including any Sika branded components, with workmanship assurances provided by a partnership arrangement, with the SikaBit® Contractor that carries out the installation.
- Our SikaBit® ProMelt Extended Product Guarantee & Installation Certificate covers the complete system, including any Sika branded components. The Installation Certificate provides additional cover from Sika Limited for the period of the guarantee in the case of insolvency of the SikaBit® Certified Contractor. Sika Limited will cover defects in the installation of the materials due to workmanship errors, or the advice/recommendation given in the SikaBit® ProMelt Specification.
- These guarantees are subject to a full technical specification (and for refurbishment, a site survey with condition report) - supplied by Sika Limited - and are valid when the SikaBit® ProMelt system is installed by one of our carefully selected SikaBit® Verified (VC) or Certified Contractors (CC).
- All guarantees are supported by Public & Products Liability Insurance, as well as Professional Indemnity Insurance, covering design.

SIKA FULL RANGE SOLUTIONS FOR CONSTRUCTION:



LIQUID APPLIED ROOFING



SINGLE PLY ROOFING



BITUMINOUS ROOFING



CONCRETE



CONCRETE REPAIR



STRUCTURAL STRENGTHENING



BUILDING FINISHING



WATERPROOFING



JOINT SEALING



FAÇADE STRUCTURAL ADHESIVES



FLOORING



INDUSTRY



DISTRIBUTION



FOR MORE INFORMATION:

WHO WE ARE

Sika Limited and Sika Ireland Limited are part of the global Sika Group, specialising in the manufacture and supply of chemical based products. Sika has a leading position in the development and production of systems and products for bonding, sealing, damping, reinforcing, and protecting in the building sector and the motor vehicle industry. Sika has subsidiaries in 101 countries around the world and manufactures in over 300 factories. With more than 25,000 employees Sika generates annual sales of CHF 8.1 billion (£6.6 bn). We are also committed to providing quality, service, safety and environmental care.

In the UK and Ireland, we provide market-leading solutions for concrete, waterproofing, roofing, flooring, refurbishment, sealing & bonding, and industry, and have manufacturing sites in Welwyn Garden City, Preston, Leeds. Atherstone, Wishaw and Dublin with more than 1000 employees and a turnover of more than £270 million.

The information, and, in particular, the recommendations relating to the application and end use of Sika® products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. Please refer to our homepage www.sika.co.uk for our current standard terms & conditions applicable to all orders. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request.



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