



SikaShield® ANCHOR SYSTEM

THE MULTIPURPOSE FASTENING SOLUTION IN COMBINATION WITH
SIKA REINFORCED BITUMINOUS ROOF MEMBRANES (RBM)

BUILDING TRUST

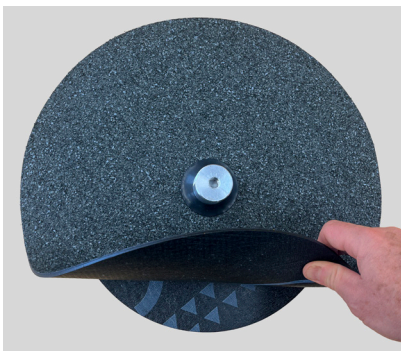


SikaShield® ANCHOR SYSTEM

GENERAL PRODUCT INFORMATION

EASE OF INSTALLATION AND MULTIPURPOSE USE are increasingly important in modern construction. The SikaShield® Anchor is a universal integrated fixing point that securely attaches a wide range of roof mounted equipment directly to the structural roof deck, while maintaining the integrity of the SikaShield® reinforced bituminous waterproofing membranes. Engineered for new builds and retrofit applications on existing Sika roofs, the SikaShield® Anchor is suitable for attaching the Sika® SolarRoof PV Framing System (attached, secured or ballasted), roof plant support frames, service supports, walkways and many other applications.

SikaShield® Anchor 400



DESCRIPTION

SikaShield® Anchor 400 is a manufactured preformed accessory that provides a secure, double anchor welding and universal connection point for fixing roof mounted products to exposed SikaShield® bituminous roof waterproofing membranes. The top surface is coated with mineral granules which allows permanent exposure to UV radiation and the underside has a burn-off film for torch or hot-air application.

APPEARANCE / COLOUR

Dark grey mineral granules finishing.

SikaRoof® Anchor Washer 140



DESCRIPTION

SikaRoof® Anchor Washer 140 is a manufactured preformed stainless steel fastening plate providing a secure connection directly to the roof substructure / roof deck.

USES

Fastener plate in combination with the SikaShield® Anchor 400 for fixing roof mounted products to exposed SikaShield® bituminous roof waterproofing membranes.

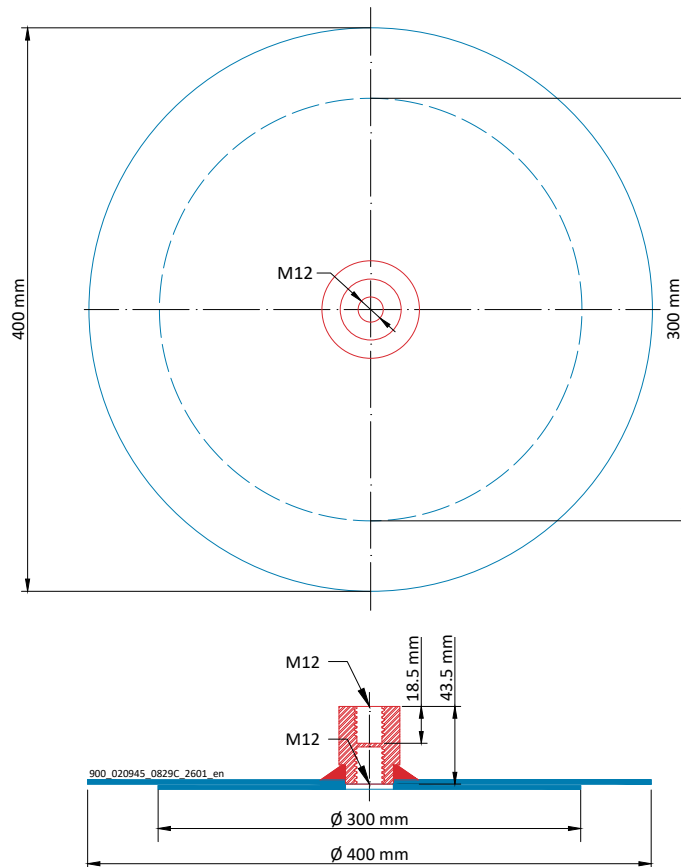
Features	Advantages	Benefits
Double anchor welding flange Ø 300 mm (base sheet) and Ø 400 mm (cap sheet)	For hot-air welding or torch applied	Secure watertight connection to the roofing membrane
Anchor welding flange composed of SBS base sheet and hybrid SBS / APAO cap sheet	Correspond with the SikaRoof® Application Manual	Resistant to weathering and UV exposure
Anchor has M12 internal thread for easy transition	Ease of application of further build-up	A broad range of build-up systems possible
All metal parts are made of stainless steel	High corrosion resistance	Long lifespan
Octagon washer with Ø 140 mm	Sufficient load distribution	Removes the windload off the membrane onto the structural deck
Washer with fastener holes 7.20 and 15.35 mm	Also suitable for Sarnabar® Tube fastening system	Wider range of thermal insulation can be used

SikaShield® ANCHOR SYSTEM

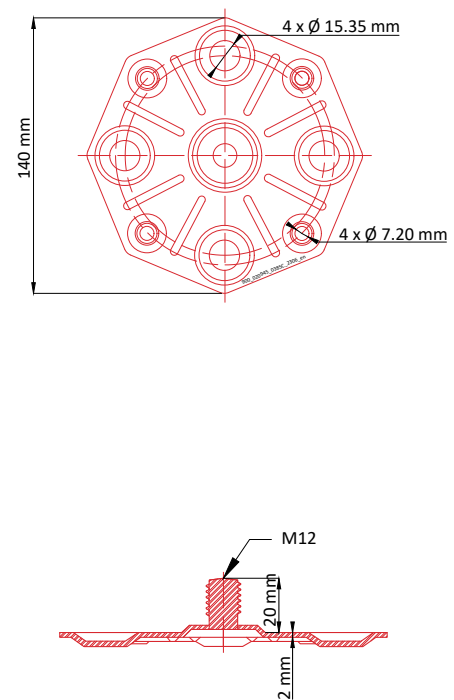
GENERAL PRODUCT INFORMATION

TECHNICAL INFORMATION

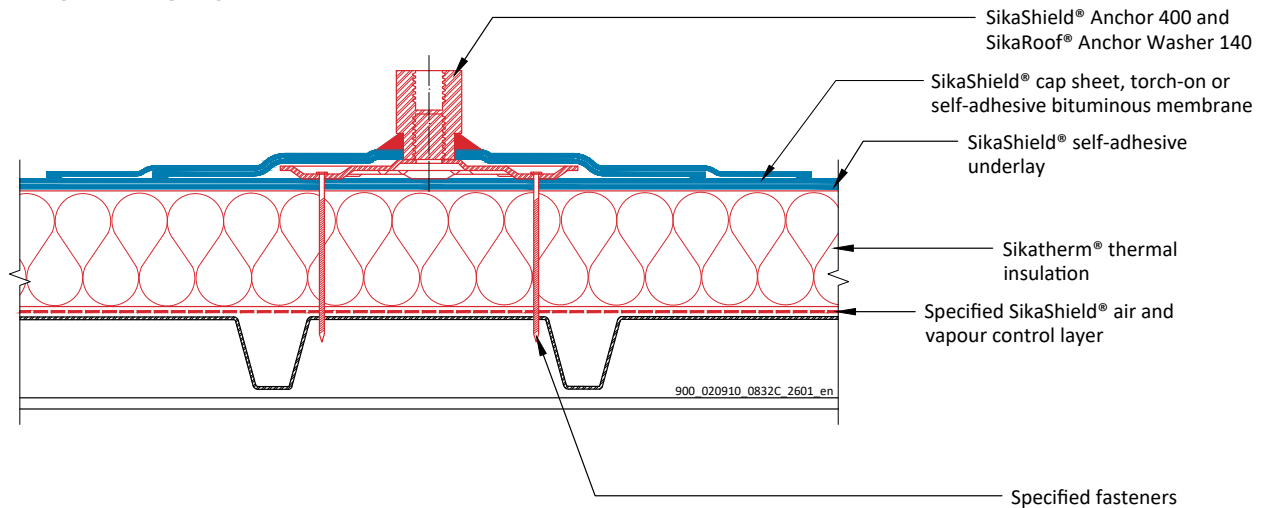
SikaShield® Anchor 400



SikaRoof® Anchor Washer 140



TYPICAL APPLICATION



SikaShield® ANCHOR SYSTEM

FASTENING SELECTION

Easy, safe and reliable installation, all completed by a Sika trained Roofing contractor.



Sarnafast® Fastener SBF-6.0 /BS-S 6.1/SR TDA-S-6.5



DESCRIPTION

Carbon/stainless/A5 (R5) stainless steel fasteners.

USES

Fastener in combination with SikaRoof® Anchor Washer 140 mm and Sarnabar® Tube SBT-20 into corrugated steel, concrete and plywood / OSB decks.

CHARACTERISTICS / ADVANTAGES

- Resistance against common environmental influences

- Easy application in use with recommended setting tool
- Chrome VI-free
- Recyclable

SBT Tubes



DESCRIPTION

Polyamide tube (PA 6) for the perimeter fastening and induction welding.

USES

Tube in combination with Sarnafast® Fastener SBF-6.0 on all decks.

CHARACTERISTICS / ADVANTAGES

- High resistance against mechanical inputs
- Lightweight

- Resistance against common environmental influences
- Easy application in use with recommended setting tools
- Recyclable

TECHNICAL INFORMATION

Diameter: 20 mm (at collar)
Hole diameter: 12.40 mm
Available lengths: 40 – 400 mm

SikaShield® ANCHOR SYSTEM

INSTALLATION

HOT-AIR WELDING APPLICATION OF SikaShield® Anchor 400



Hot-air application of the underlay.



Hot-air application of the cap sheet.



SikaShield® Anchor 400 –
Hot-Air Application

TORCH APPLICATION OF SikaShield® Anchor 400



Torch application of the underlay.



Torch application of the cap sheet.



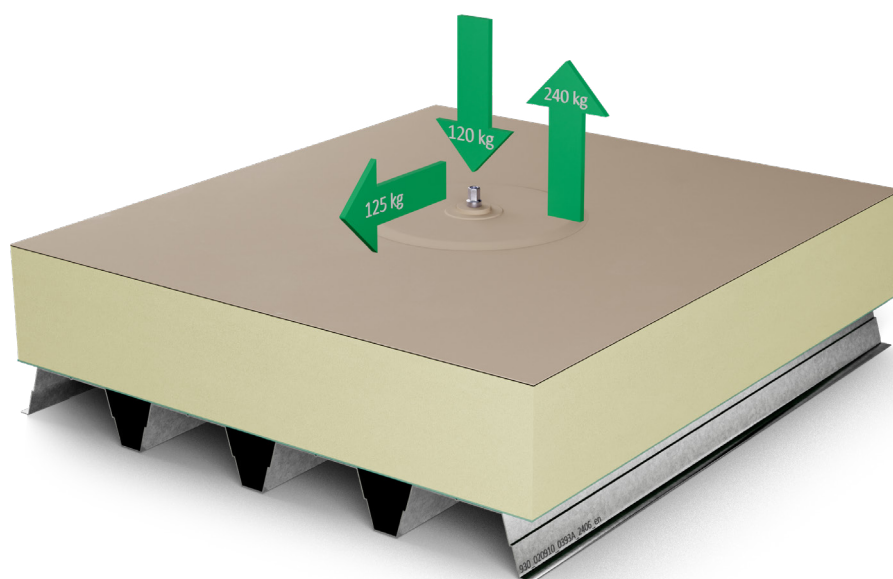
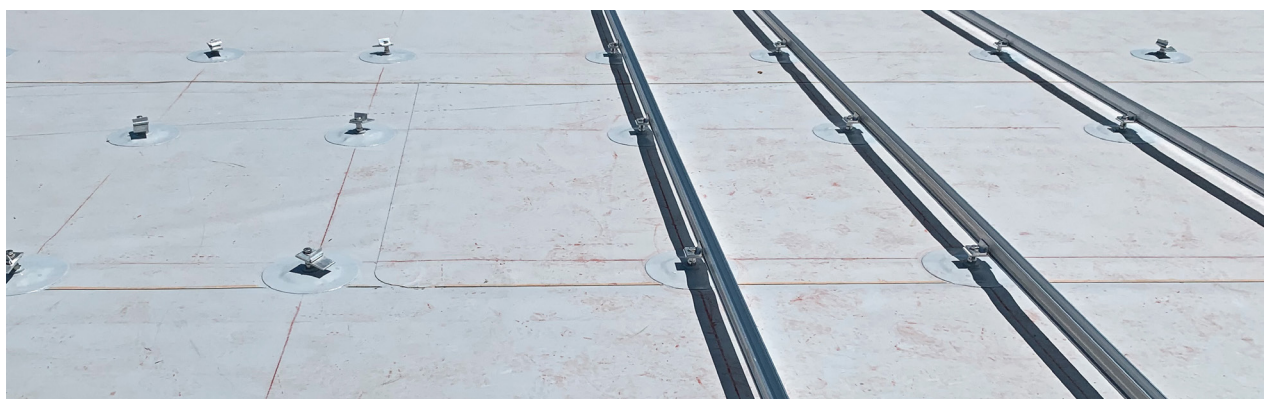
SikaShield® Anchor 400 –
Torch Application

SikaShield® ANCHOR SYSTEM

BASIC DESIGN SPECIFICATION

The specification for the quantities and positioning of the SikaRoof® Anchor points are calculated by the solar designer / installer. This is based on the size of the solar panels, possible snow load and the project-specific substructure with the defined distances.

Technical Specification	Data	Description
Washer plate	Ø 140 mm	Octagonal, stainless steel 2 mm In combination with mineral wool thermal insulation, fastener / tube combination shall be used
Anchor welding flange	Ø 250 mm	Hybrid SBS / APAO
Compressive stress / load	≤ 140 kg ≤ 120 kg	EPS / XPS / PIR / PUR thermal insulation ≥ 120 kPa with 10% compressive strength Mineral wool thermal insulation ≥ 70 kPa with 10% compressive strength
Wind-uplift	2400 N / 240 kg	4 fastener (OSB, metal or concrete substrate)
Horizontal shear force	≤ 125 kg	OSB, metal or concrete substrate
Internal thread	M12	Stainless steel
Height above membrane	42 mm	



SikaShield® ANCHOR SYSTEM

INSTALLATION OF SOLAR PANELS



Installation of SikaShield® Anchors and Solar Mounting System.



Solar Mounting Systems finalised.



Solar System finalised.

SIKA FULL RANGE SOLUTIONS:



LIQUID APPLIED
ROOFING



SINGLE PLY ROOFING



BITUMINOUS ROOFING



CONCRETE



CONCRETE REPAIR



STRUCTURAL
STRENGTHENING



BUILDING FINISHING



WATERPROOFING



JOINT SEALING



FAÇADES



FLOORING



INDUSTRY



DISTRIBUTION



MODULAR/OFFSITE



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 global leading position in the development and production of systems and products for bonding, sealing, damping, reinforcing, and protection in the building sector and motor vehicle industry. Sika has subsidiaries in 102 countries around the world and, in over 400 factories, produces innovative technologies for customers worldwide. In doing so, it plays a crucial role in enabling the transformation of the construction and vehicle industries toward greater environmental compatibility. In 2025, Sika's 33,700 employees generated annual sales of CHF 11.20 billion (£10.35 bn).

In the UK and Ireland, we provide market-leading solutions for building finishing, concrete, waterproofing, roofing, flooring, refurbishment, sealing & bonding, and industry, and have manufacturing sites in Welwyn Garden City, Preston, Leeds, Wishaw, Redditch, Goole and Dublin with 1000 employees and a turnover of more than £306 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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