



# **TorchSafe TA**

# **Bituminous**

# **Waterproofing System**

Flame free built up bitumen waterproofing system

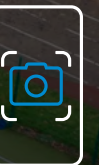


# Unlock the potential of your roof

**As part of BMI Group, a leader in flat and pitched roofing, Icopal offers an extensive range of flat roofing and waterproofing solutions and services.**

Our TorchSafe TA system offers an alternative solution to traditional flat roof installation methods. The system can be installed without the use of gas torches therefore eliminating potential risks of fire associated with such methods during application.

The TorchSafe TA system offers an alternative flat roof waterproofing solution, particularly for projects with an identified presence of combustible building materials.



Scan the code to access our full range of **flat roofing services and technical support.**

[www.bmigroup.com/uk/support/flat-roofing-services/](http://www.bmigroup.com/uk/support/flat-roofing-services/)





# Key Benefits

TorchSafe TA is our new flame-free system supported by a range of benefits.



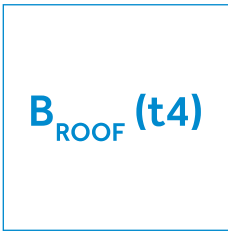
### Asset Protection

Through the removal of potential risks to the building fabric associated with the use of gas torches during the installation process.



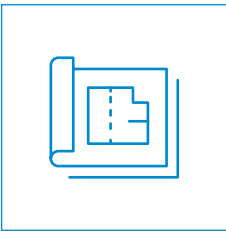
### Supported by Guarantees up to 25 Years

Product, Product & Workmanship or System



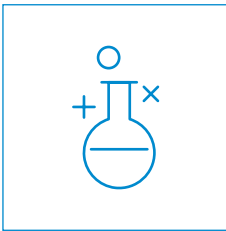
### System Fire Performance

TorchSafe TA systems achieve B<sub>ROOF</sub> (t4) - refer to Icopal Technical Services for further information



### Construction, Design & Management Regulations: 2015 (CDM)

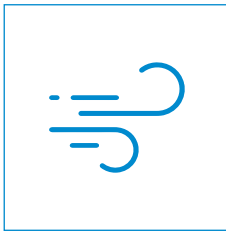
Specifiers can meet CDM obligations through the removal of potential sources of ignition associated with the use of gas torches during the installation process.



### Syntan Technology

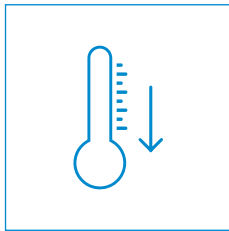
Syntan is an acrylic based coating used as a substitute to sand - The presence of the Syntan helps to reduce roll weight\*.

\* 300g/m<sup>2</sup> of sand is substituted by 15g/m<sup>2</sup> of Syntan coating



### Resistance to Wind Uplift

Calculated in accordance to BS EN 1991-1-4: A1 & UK National Annexes.



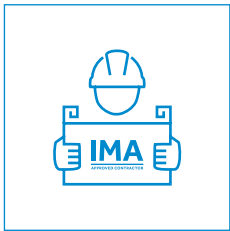
### Low Temperature Flexibility

Retained membrane flexibility at low temperatures in accordance with EN 1109 successfully achieving -15°C



### BBA Certification

The TorchSafe TA system incorporates products holding BBA Certificates 09/4645 - Product Sheets 2 & 4 & 23/6935 - Product Sheet 3.



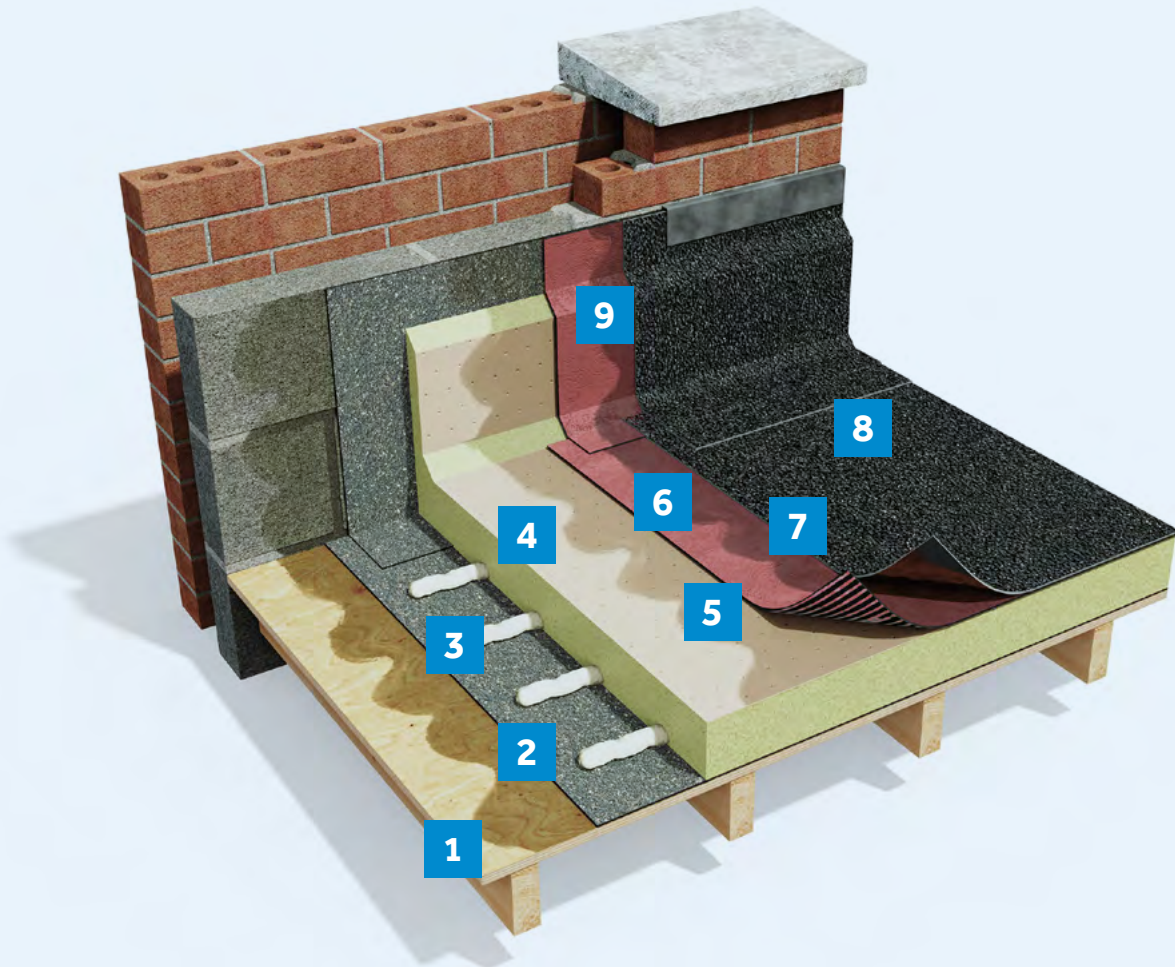
### Approved Installers

A network of approved contractors geographically spread across the UK trained on the installation of Icopal flat waterproofing systems.

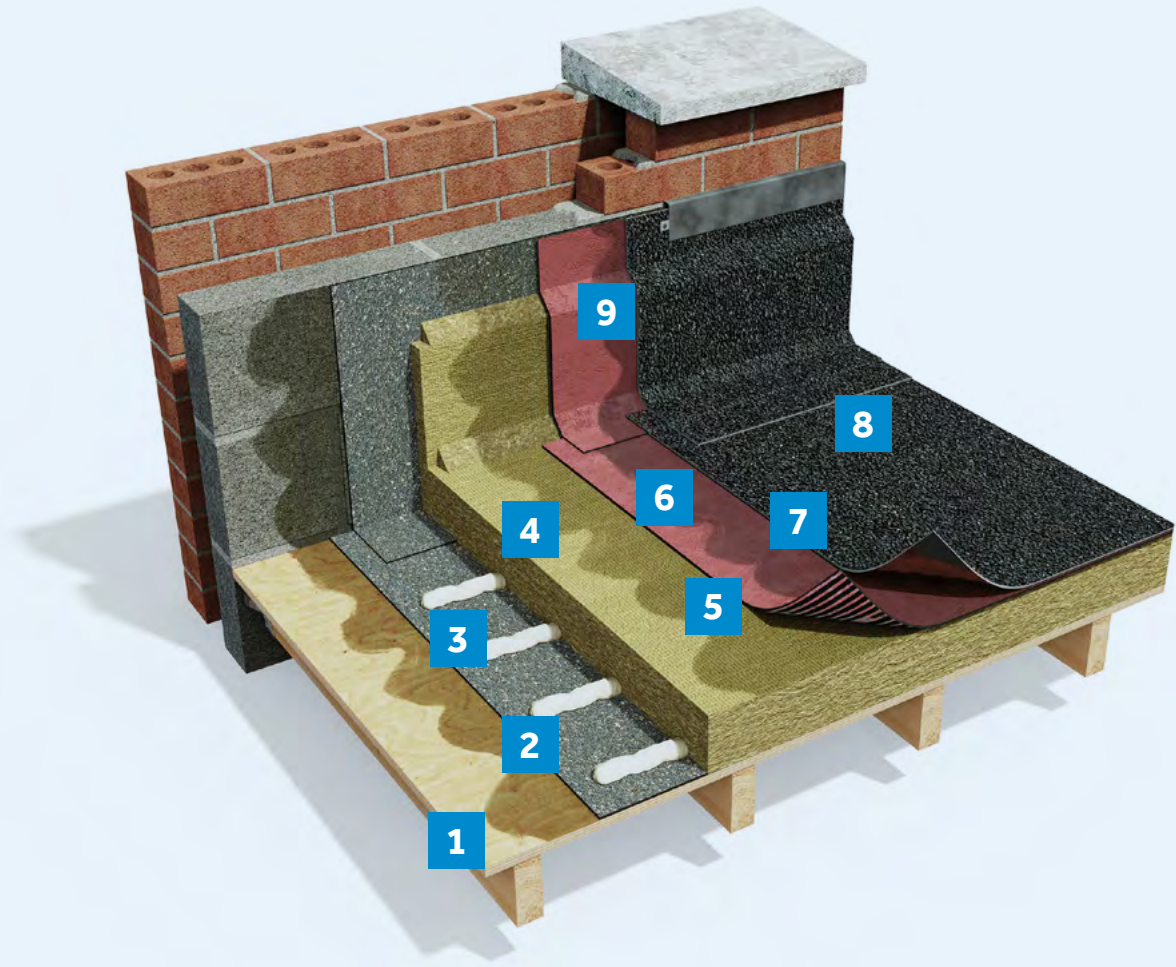


# TorchSafe TA System

## Warm Roof System Options



- 1. Primer: **Icopal SA Primer**
- 2. Vapour Control Layer: **TorchSafe TA VCL Sand**
- 3. Insulation Adhesive: **Icopal Insulation Spray Adhesive**
- 4. Insulation: **Thermazone Roofboard**
- 5. Primer: **Icopal SA Primer**
- 6. Underlay: **Pyrobar Underlay**
- 7. Primer: **Icopal SA Primer**
- 8. Capsheet: **TorchSafe TA Mineral Capsheet**
- 9. Detailing Underlay: **TorchSafe TA Detailing Underlay**




- 1. Primer: **Icopal SA Primer**
- 2. Vapour Control Layer: **TorchSafe TA VCL Sand**
- 3. Insulation Adhesive: **Icopal Insulation Spray Adhesive**
- 4. Insulation: **Rockwool Hardrock Multi-Fix (DD)**
- 5. Primer: **Icopal SA Primer**
- 6. Underlay: **Pyrobar Underlay**
- 7. Primer: **Icopal SA Primer**
- 8. Capsheet: **TorchSafe TA Mineral Capsheet**
- 9. Detailing Underlay: **TorchSafe TA Detailing Underlay**






# Technical Services and Support


TorchSafe TA is supported by a comprehensive range of technical support




Wind uplift calculations




Moisture mapping




Tapered insulation design




Thermal calculations




Drainage calculations




Approved installers



Condition reports



New build and refurbishment specification services




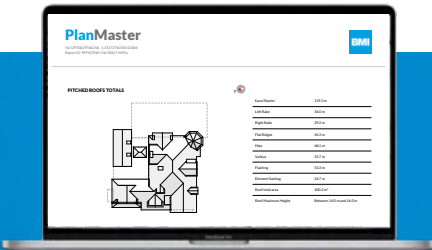
Design Drawings

## Technical Services

Our Technical Services team is on hand to guide you through every step of your flat roofing project. Contact the Icopal Technical Services team today to find out how we can support you.

T: 0330 123 4585 E: [technical.uk@bmigroup.com](mailto:technical.uk@bmigroup.com)





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\*95% accurate across the whole roof area

# Evidence based decision making with moisture mapping



Our moisture mapping services enables us to highlight specific areas of the roof that are subject to moisture ingress.

This means that we can provide a precise recommendation that identifies the priority areas of the roof for refurbishment and creates a bespoke specification of work that considers the whole roof area - ensuring the future performance of your building.



# TorchSafe TA System Components

All the essential elements you need to build a TorchSafe TA system

	Product name	Product code	Dimensions (Nominal)	Mass (Kg per m²) (Nominal)	Thickness (Nominal)	Description
Capsheets	TorchSafe TA Mineral Capsheet Charcoal	10001223	7 x 1m	 5.4	4.3mm	TorchSafe TA Mineral Capsheet is intended for use as a self-adhesive cap sheet in a bitumen built-up roof system.
Capsheet Primer	Icopal SA Primer*	20000725		N/A	N/A	Icopal SA Primer is designed to enhance the adhesion of the self-adhesive membrane.
Underlay - Field Area	Pyrobar Underlay	10001355	10 x 1m	 3	3mm	Pyrobar Underlay is intended for use as a partially bonded self-adhesive underlay in a bitumen built-up roof system.
Underlay - Details	TorchSafe TA Detailing Underlay	10001356	10 x 1m	 3.4	3mm	TorchSafe TA Detailing Underlay is intended for use as a fully bonded self-adhesive underlay in a bitumen built-up roof system.
Underlay Primer	Icopal SA Primer*	20000725		N/A	N/A	Icopal SA Primer is designed to enhance the adhesion of the self-adhesive membrane.
Insulation	Thermazone Roofboard	Various	1200 x 600mm	N/A	Varies	Thermazone Roofboard is a polyisocyanurate (pir) insulation incorporating glass tissue facings. It is commonly used in warm roof build ups and is available in flat or tapered formats.
	Rockwool Hardrock Multi-Fix (DD)	Various	1200 x 1000mm	N/A	Varies	Rockwool Hardrock Multi-Fix (DD) is a stone wool insulation board with a mineral-coated white fleece to the upper surface. It is commonly used in warm roof build ups and is available in flat or tapered formats.
Insulation Adhesive	Icopal Insulation Spray Adhesive	20000717		N/A	N/A	Icopal Insulation Spray Adhesive is a single component moisture cured polyurethane adhesive used for adhering insulation boards.
Vapour Control Layer	TorchSafe TA VCL Sand	10001443	15 X 1m	 3.8	3.5mm	TorchSafe TA VCL Sand is intended for use as a self-adhesive vapour control layer in a warm roof system build-up.
Vapour Control Layer Primer	Icopal SA Primer*	20000725		N/A	N/A	Icopal SA Primer is designed to improve the adhesion of the self-adhesive membrane.

\*Icopal SA Spray Primer (20000722) is also available for larger roof areas

## Roofs for a new era

### ICOPAL

Information is accurate at the time of printing.  
Product information, technical standards and codes of practice are under constant review. We reserve the right to change and amend product information without prior notice. For the latest information, suitability and specification advice, please refer to our website or contact our Technical Services team for up-to-date product information.

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