

metrotile

The **No Drama** Roof

www.metrotile.co.uk

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Roofing for Conservatories

Including new-build conservatories and solid roof conversions





Roofing for Conservatories: The Metrotile Benefits

- Insulation can be significantly improved, reducing home energy bills
- Traditional conservatory roof benefits without the strain on structure and foundations
- Highly secure against vandalism and extreme weather
- Highest external fire resistance rating
- Velux windows and ventilation systems easily incorporated
- Low weight ensures rapid installation
- 40 Year Weatherproof Guarantee
- Highly experienced customer support
- Stunning aesthetics



For technical information:

metrotile KNOWLEDGEBASE
knowledgebase.metrotile.co.uk



From small conservatory roofs to larger spaces on heritage homes, many people are finding that a Metrotile roof is key to turning what is traditionally a summertime space into an area that can be enjoyed all year round – and that's before you take Metrotile's 40-year weather-proof guarantee into account!

Leading conservatory fabricators across the UK continually use Metrotile as a roofing material supplier while contractors are using Metrotile to convert existing conservatory roofs in a drive to keep home energy costs down. So, whether your project is a refurbishment or to be built from the ground up, Metrotile has it covered.

Lightweight steel roofing

As a Metrotile roof weighs up to one seventh of 'traditional' roofing materials, a uPVC frame conservatory is now able to have a Metrotile roof installed upon it. From Rafters and VPU for insulation, to Velux windows for natural light and even a plethora of lighting options installed into the conservatory ceiling – a Metrotile conservatory roof makes this all possible and means you don't lose the space of your conservatory to the cold, damp winter months. With a Metrotile conservatory roof conversion, keeping the sliding doors sealed shut through the winter is a thing of the past.

Improved insulation

The improvement to insulation should not be overlooked. It's no secret that UK energy prices have been increasing annually, squeezing UK residents out of more money in exchange for less energy. By improving the insulation of your conservatory, you can keep your home warm at less expense while ensuring less of the money spent on energy is wasted.

Low pitch roofing

When constructing your new conservatory, it's important to give some clearance between the conservatory roof and the upstairs windows of your home. Metrotile low pitch roof tiles can be installed as low as 10° which accounts for any windows above your home, giving leeway while matching the rest of your home exterior.

To find out more about a conservatory roof replacement, get in touch with Metrotile by calling us on 01249 658 514, emailing via sales@metrotile.co.uk or completing the contact form at www.metrotile.co.uk.



Safety regulations are focused on the importance of saving life, rather than saving property. Tests are based on how long each element of a structure will stand up to fire but have little to do with what happens once the fire has actually become established.

In our area of specialism, fire safety tests are intended to show how well a roof can resist a fire from a source outside the building itself, firstly regarding the penetration of the roof, and secondly spreading across its surface.

BS 476-3: 2004 - Fire test on building materials and structures - Part 3: Classification and methods of test for external fire exposure to roofs.

Rating achieved: EXT.S.AA*

*EXT means it is for external roofs. The S stands for sloped – the alternative you will come across is an F for flat. The two As are the ratings for resistance to fire penetration, first, and flame spread, second.

For fire penetration, the A rating means the tested product has not been penetrated within one hour of testing under flame. The lowest rating, rating D, means the product was penetrated almost straight away, which the B and C ratings are given to those which fall either side of the 30 minute mark.

For fire spread, rating A means that there was no spread of flame during testing for 60 minutes. B means a spread of 21 inches or less, C means more than 21 inches and D means the product carries on burning five minutes after the flame is removed, or that there is a 15 inch spread straight away.

There is also an additional rating, which is the addition of a letter X (for example EXT.S.BCX), which denotes the presence of any flaming droplets from the edge of the product, mechanical failure or any development of holes under testing.

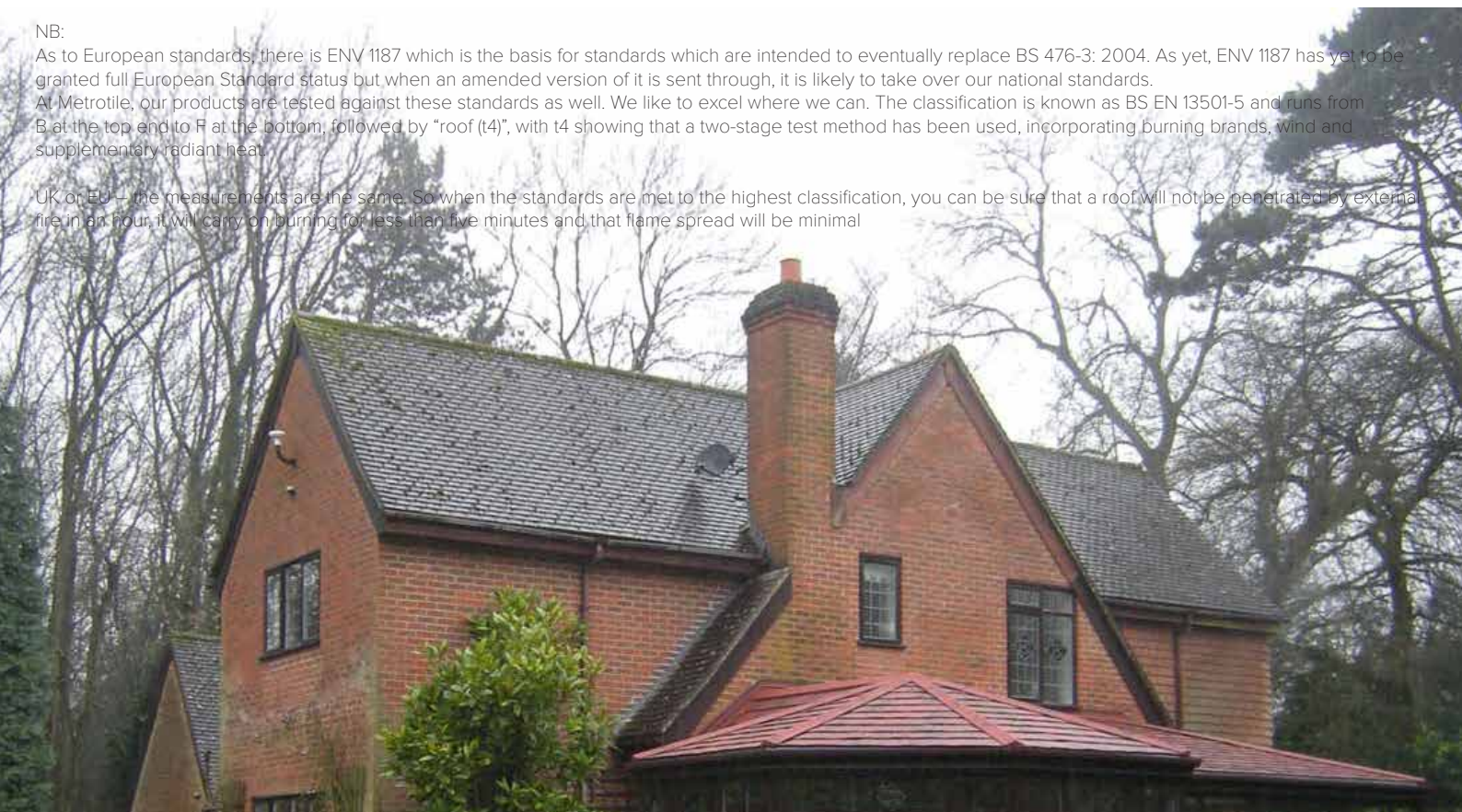
The other issue to consider is distance from boundaries with regards to building regulations. Anything with Broof (t4) or an AA, AB or AC rating can be safely constructed six metres or less from a property boundary.

NB:

As to European standards, there is ENV 1187 which is the basis for standards which are intended to eventually replace BS 476-3: 2004. As yet, ENV 1187 has yet to be granted full European Standard status but when an amended version of it is sent through, it is likely to take over our national standards.

At Metrotile, our products are tested against these standards as well. We like to excel where we can. The classification is known as BS EN 13501-5 and runs from B at the top end to F at the bottom, followed by "roof (t4)", with t4 showing that a two-stage test method has been used, incorporating burning brands, wind and supplementary radiant heat.

UK or EU – the measurements are the same. So when the standards are met to the highest classification, you can be sure that a roof will not be penetrated by external fire in an hour, it will carry on burning for less than five minutes and that flame spread will be minimal



Fire Rating Explained



BBA certifications

Metrotile profiles are covered by the BBA. This certificate is professionally recognised in the UK and it's granted to designers and installers who use professional constructional products and systems. Our current BBA certificates can be downloaded from the Metrotile Knowledge Base and also directly from the BBA website.

LABC Registration

Metrotile has become LABC registered for our roofing profiles. This means we offer a consistent product that is tested by the Local Authority Building Control and exceeds the standards set, enabling us to provide a better service to all specifiers, installers, developers and building control surveyors.

The LABC represents all local authority and compliance in England, Wales and Scotland. A company registered with the scheme proves that they meet industry-led standards. Not only this, but a registered product is more likely to be accepted by all local authorities, can improve the speed and ease of the building control process and guarantee easier warranty approval.

The LABC carried out assessments on Metrotile's profiles, testing its wind loading, moisture penetration, corrosion resistance and surface spread of flame. They also examine starter courses, abutment tiles, ridge tiles, barge closers, tile vents, soil and vent outlets and extractor fan outlets for a comprehensive outlook on the product.

Metrotile's accreditation

LABC found Metrotile's products to be internationally compliant for every test, citing that the tiles "resist high rain and hail exposure and also resist corrosion due to salt exposure in marine locations". The system was found to "offer protection from the most severe UV exposure and all these elements are backed by a 40 year weatherproof guarantee". The LABC confirmed that Metrotile's products are built to last, and can offer building protection from wind, fire and the weather elements. In addition to our BBA certificates and LABC registration, Metrotile's products have also achieved the CE mark, while their manufacturing plant has achieved both ISO9001 and ISO14001.



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