



Sahtas

Hand Made
Roof Tiles

Traditionally...

SAHTAS[®]
terracotta products



The History of Sahtas

Sahtas Terracotta Corporation was established as a family business in 1979 to produce machine made earthenware products in Izmir, Turkey. The business is still family owned and operated today.

In 2002 Sahtas Terracotta converted its production to 100% hand made earthenware due to an increase in customer demand for this type of product. This change was made possible due to the company's existing Hoffman kilns and the dedicated and experienced workforce.

Sahtas Terracotta offers its customers access to a wide variety of quality building and landscaping products, from roof tiles, facing bricks and floor tiles to garden statuary, architectural faience and Italianate pottery. The company philosophy is built around offering its customers an excellent quality product, based on traditional production methods, whilst utilizing the latest analytical and raw material processing techniques.

The fundamental objective for our company is to produce products that exceed the quality expectations of our industry (and our customers). This goal is achieved through stringent in-house quality control at all levels, as well as continuous external independent testing.

All of our products are produced at our own factory, located on a site in excess of 15 hectares, which is owned by the company. We hold a clay stock on the site sufficient for 5 years of continuous production and we also have excellent local clay reserves as well.

In 2002 we saw our export activity increase by over 30% year on year, with 2007 finding us exporting more than 8 million units to the United Kingdom.

Recent changes in the UK marketplace have led us to the decision of establishing our own stocking and distribution yard, where we will endeavour to maintain sufficient stock levels of all our products, ensuring customers receive the highest level of service we can offer them.



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Sahtas Hand Made Plain Clay Roof Tiles

A Hand Made Tradition...

The use of hand made plain clay roof tiles goes back through the centuries and has helped to create the visual appeal of many of Britains towns, villages and hamlets.

Traditionally, clay dug from local ponds, fields and pits would be piled up in heaps and left to weather over the winter months. In the spring and summer, the tile makers would then form the tiles by hand, throwing the clay blocks into sanded wooden moulds, knocking the moulds to release the tiles and then stacking them up to dry in the sun.

After several weeks of drying, the tiles would then be fired in clamps or small kilns, using wood or sometimes coal if it was available locally. Until the industrial revolution saw the development of the railways and canals allowing easy transport of materials, most roof tiles were used only within a few miles of where they were produced. This led to many different regional variations of colours and textures due to the different types of clays, moulding sands and firing methods. Modern machine made tiles struggle to create the variations in shape, size, texture and colours that the traditional methods can.

Sahtas Terracotta have embraced the traditional methods of hand moulding their roof tiles to ensure the wonderful aesthetics of the tiles once fixed on the roof of a building, echoes that of centuries old tiles.

Despite our tenacity at sticking to the old methods of forming the tiles, our processing methods for the raw clays used for these tiles is both modern and efficient, ensuring a high quality end product for the customer.

We have also continued to develop different colours and finishes with the aim of providing plenty of choice to the Architect, Developer, Roofer or Self Builder, to be able to blend in with the many regional variations found throughout the UK.

Our tiles are carefully monitored throughout production, regularly tested for durability and strength by our own in-house technical team using our own factory laboratory, as well as being independently tested on a regular basis by Ceram®.

We have sold over 30 million roof tiles in the past decade, through UK distributors. They have been used on many diverse projects, from schools, churches, universities, public houses, manor houses, almshouses, private housing, developer housing, listed buildings and much more, even as part of a medal winning display at the RHS Chelsea Flower Show. Now firmly established as the product of choice, we look forward to talking with you about using them on your next project.

Sahtas Multi

The original roof tile, produced by Sahtas Terracotta.

Following many requests from potential customers for a hand made plain clay roof tile that looked like an old reclaimed hand made, the Sahtas Multi was created. Many months in development, the 'Multi' gave customers access to a tile that looked old and established from the moment it was fixed to the roof. Unlike reclaimed tiles it was available in any quantity, normally from stock and came with a full range of complimentary fittings as well.

With a rich red base colour, a mixture of oranges, browns and a smattering of darker tiles, the 'Multi' has proved to be a best seller.

Established now for nearly a decade, with tens of millions of them gracing British roofs, they have become a firm favourite with our customers, new and old.



Sahtas Red

A strong, vibrant red, with very subtle shading.

Use either as a tile on the main roof or perfect for tile hanging under a darker colour such as Classic, Restoration or even Blue.



Sahtas Brown

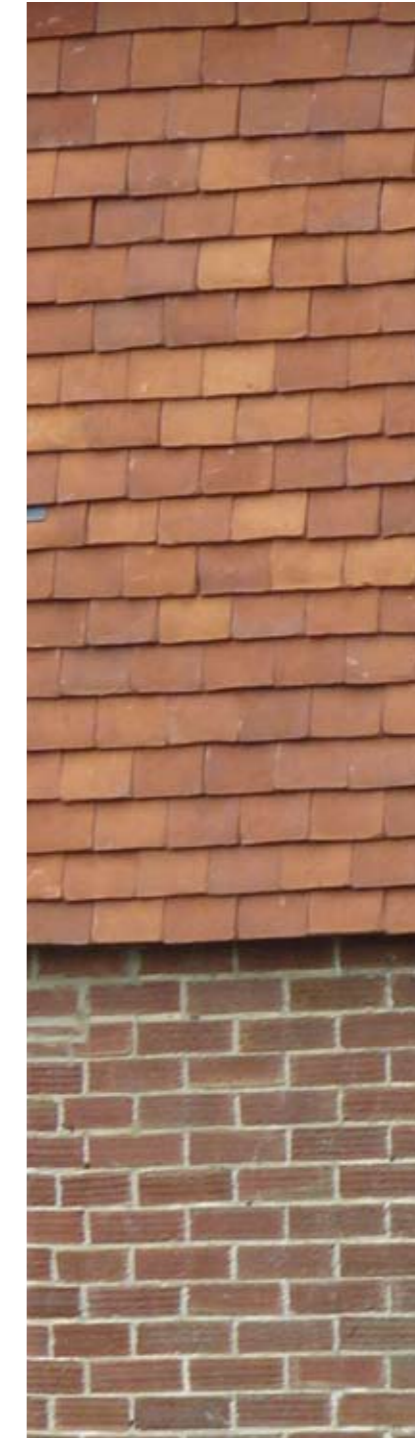
A soft colour that blends well in established residential areas.

Perfect as a main roof tile or as tile hanging under a darker colour such as Restoration.



Sahtas Orange

A bright, vivid orange, perfect for the main roof where local colours are predominantly orange or it makes the ideal tile hanging under any of the darker colours.



Sahtas Buff

Developed for the Anglian region, it has been used extensively on both new build and older property within conservation areas in villages and towns.



Sahtas Restoration

A mixture of browns and blacks with a little hint of dark red, the Restoration gives the feel of a weathered reclaimed hand made tile. Perfect for creating that 'period' feel to a new building or to ensure that the refurbishment of an older property doesn't leave it sticking out from its surroundings.



Sahtas Classic

In deference to the 'Arts & Crafts' period that saw the design and building of some of Britain's most beautiful houses. Ideal as the tile choice for the main roof, with orange, red or multi tile hanging underneath.



Sahtas County

Developed to meet the demand for a 'weathered' orange tile, the County is proving to be a best seller in great demand. With its orange base colour and subtle yet strong dark weathering, it looks perfect on a barn conversion, a country mansion, an old farmhouse or a small cottage.



Sahtas Blue

For many years it has proved very difficult to locate old hand made blue tiles in any decent quantity. Produced originally in the Staffordshire region but used throughout the Midlands, there are few, if any, producers of a true hand made blue left. Our Blue is produced with a dark body and a strong blue finish ensuring they match well with older tiles. These tiles have the distinctive hand made texture and subtle variation in shape only found with a true hand made.



Rest of the Sahtas Range



SAMOS



CRANLEIGH



BECKBURY



ABINGTON



TEOS



ASPENDOS



CANTERBURY



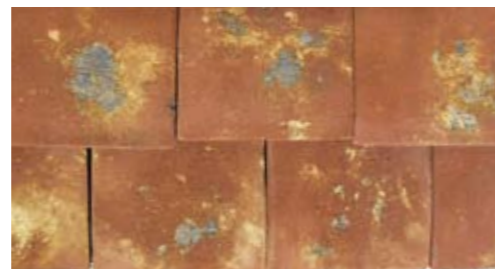
SMYRNA



NEWMARKET



SHARPTHORNE



DORCHESTER

The above colours are available to order, normally within an 8-10 week delivery period.

Due to print limitations and colours please request samples prior to ordering.

Sahtas Blends and Bespoke Tiles

Sahtas Blends

The beauty with the Sahtas range is that you can choose a specific colour that meets your requirements or you can choose to create a blend of colours to ensure that you get exactly what you want. On this page we show a few projects that blended different colours to meet the needs of the local planners as well as ensuring their properties blended in perfectly with their locality. You can either order the colours in the % needed and have your roofer mix them on site as he installs them, or for a small premium, they can be pre-blended at the factory to save you time and money as well as ensuring an even colour mix across the roof.



Sahtas Bespoke

One of the advantages with the hand moulding process is its flexibility in production. This enables us to be able to quickly create unique moulds in our own in-house mould shop and to be able to produce a roof tile to an Architect or customers specific requirements. Clearly there is some additional cost involved in this process but it is not as much as you might think and the finished product can often be delivered to site within 10 weeks from the date of ordering. If you need to match an existing unusual tile that is no longer made or you want something unique to you, talk to us about your requirements.



Sahtas Bespoke Example

The client had a specific shape and colour of tile in mind but found it very hard to express what it was they actually wanted to their architects, who had worked hard searching the market for a standard tile that came close to the client's requirements but couldn't find anything suitable. This is where we came in! We spent some time with the clients, looking at local properties with them to help them express what it was they wanted. Having listened to their requirements, we then produced some wooden blanks to show the shape and size of the proposed tile and some ceramic blocks to show the colour. Once these were then agreed, we set about producing over 80,000 tiles plus a range of bespoke fittings to work with them. The finished property speaks for itself.



Sahtas Fittings & Technical Information

Sahtas Fittings

We offer a wide range of fittings to complement the Sahtas Hand Made roof tiles.

Standard tiles & Peg tiles

Eaves & top tiles

Tile and a half (gables)

Bonnet Hips

Kent Hips

Universal Valley Tiles

Half Round Ridges

Hogsback Ridges

Internal Hanging Angles

External Hanging Angles

Ornamental Tiles – Club tiles & Beaver tail tiles

We can also produce to order any specially designed fittings or ornamental ridge tiles. Please enquire with a drawing of your requirements.

Sahtas Technical Information

All Sahtas products are manufactured under a Quality Assurance System and the company holds certification under ISO9001:2000, 14001:2004 and OHSAS 18001.

Sahtas Roof Tiles have passed BS EN538:1994 for flexural strength, BS EN539-2:1998 for resistance to frost damage and BS EN539-1:1994 for impermeability to water, as tested by CERAM®.

Sahtas are pleased to offer a 30 year guarantee, backed by Chartis Insurance, against any failure caused through a manufacturing defect, where the tiles fail to comply with BS EN538:1994 for strength, BS EN539-2:1998 for resistance to frost damage and BS EN539-1 for impermeability to water. This guarantee is subject to the tiles having been fixed in accordance with BS 5534:2003, the British Standard Code of Practice for Slating & Tiling.

Plain tile size	265 x 165mm
Roof pitch	40° minimum pitch
Gauge	100mm
Coverage	60 tiles per m ²
Approximate weight	68kg per m ²
Batten size required	38x25mm

Fixings Below 60° roof pitch, each tile in every fifth course should be twice nailed.
At eaves and top edges, two courses of tiles to be nailed as well as all perimeter tiles. Over 60° roof pitch, all tiles should be twice nailed.

See page 18 for workmanship & site handling information.



Sahtas Policies

Quality Policy

Sahtas Terracotta manufactures a range of terracotta products including roof tiles, facing bricks, floor tiles, architectural faience, garden statuary and Italianate pottery at its own factory. All of these products are produced using traditional methods to ensure they maintain the aesthetics of traditionally made products, which is so much in demand by our customers. Sahtas has continued to build a reputation in the worldwide marketplace for a combination of high quality, great aesthetics and excellent customer service, which it continues to maintain and improve upon.

There is an in-house quality control system in place which is maintained and monitored at every level of production by department managers, as well as overall control by the factory manager. In conjunction with this system, every employee is encouraged to review their process at every step, ensuring that any anomalies are dealt with quickly and efficiently with minimum impact on the finished product delivered to the customer.

Environmental Policy

Established as a quality manufacturer for more than three decades, Sahtas has developed a wealth of experience in the production of terracotta products. During this time, considerable importance has been put upon reducing the environmental impact of the factory.

Our main clay reserves are local to the factory and we have undertaken considerable research into local soil types, so that we can accept spoil waste from local development sites and process it to utilise suitable clays and sands in our production, which would otherwise be sent to landfill. We reuse water from our factory roof within production and any surplus runoff water from our hardstanding is kept in storage pools on our site, which is then made available to other local businesses in times of need.

Our factory is in the heart of both the tobacco and olive oil producing areas and we try to utilise waste product from local factories in our production, meaning we use less fuel and prevent this waste from going to landfill.



Workmanship & Site Handling

Workmanship

Sahtas roof tiles should be laid in accordance with BS 5534:Part 1:1997, Code of practice for slating and tiling and BS 8000:Part 6;1990, Code of practice for workmanship on building sites for slating & tiling of roofs and cladding.

Hand crafted and hand made tiles require sympathetic and careful use to ensure a high quality installation. As products manufactured from natural raw materials, these tiles will exhibit some variation in size and shape and therefore an element of selection is necessary by the tiler to ensure that tiles sit properly and marry in with surrounding tiles. When loading out the roof, it is important that tiles from a minimum of 3 pallets should be mixed on the roof to ensure an even blend of colour. Tiles should be laid across the roof and not vertically up it, to avoid any colour banding. To avoid any shunting of tiles on top of each other, tiles should be adequately spaced when coursing in. Tile fittings should be adequately sorted and selected to ensure that they sit correctly with surrounding fittings and tiles. Failure to adhere to the guidance above can lead to a poorly finished roof. Hand crafted tiles require installation by experienced and qualified roofing contractors to ensure a quality installation.

Site Handling

When tiles are delivered, the pallets should be stored on solid, clean, level ground and not stacked on top of each other. In themselves, our tiles do not present a risk to health when used as directed. However, tiles may have sharp edges and suitable gloves should be worn as required. Also, when cutting tiles with abrasive discs, suitable eye protection and a respiratory mask should be worn.

Product Selection

While we make every effort to ensure that the pictures used in this brochure are representative of our products, we would recommend that customers either request samples from us or visit a finished site to satisfy themselves that their product choice is the correct one for their project.





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