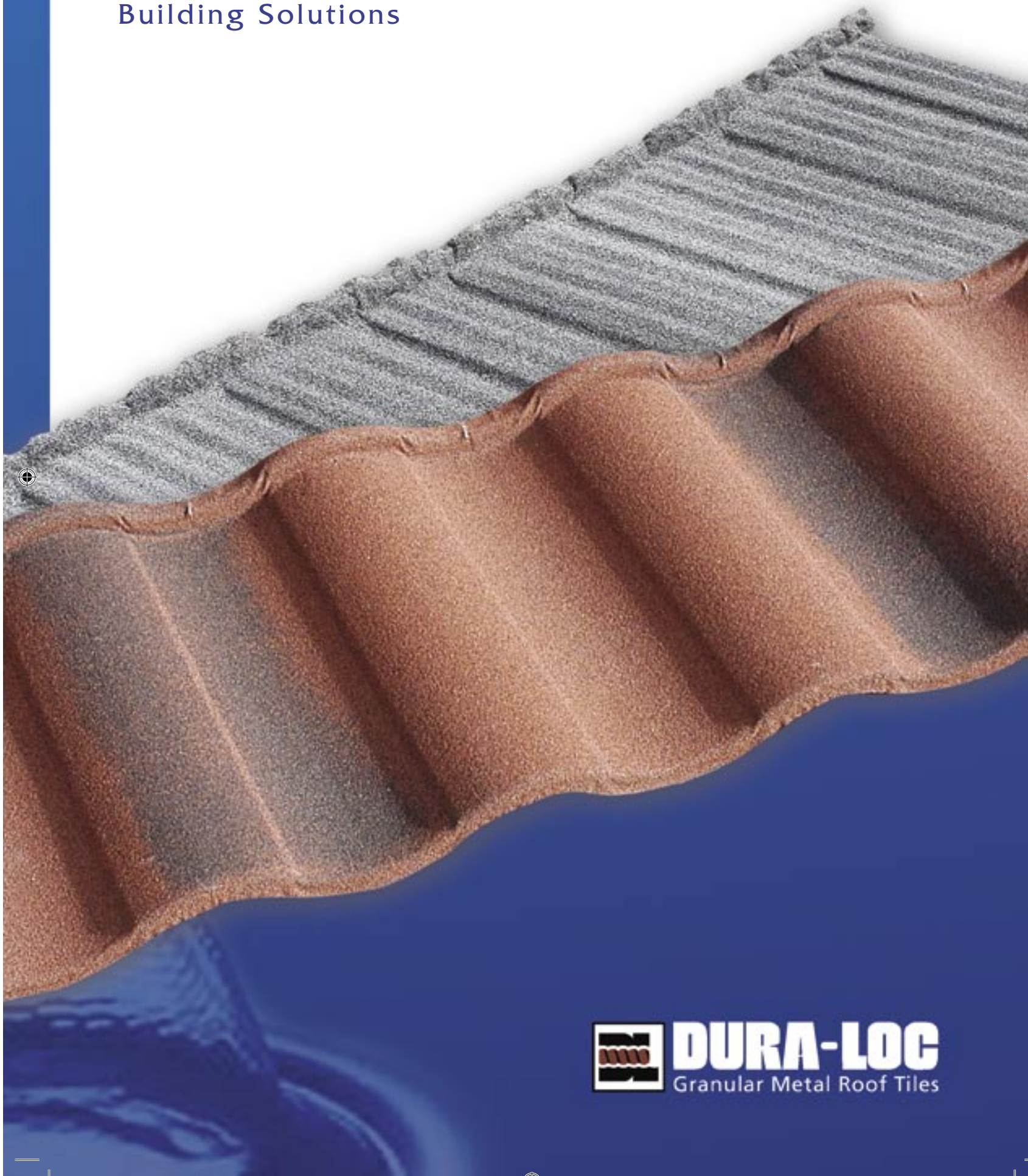




interloc

Building Solutions

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DURA-LOC
Granular Metal Roof Tiles



What is Dura-Loc?

Dura-loc is a light weight granular coated metal tile range. It has a unique coating system involving a covering of finely graded ceramic coloured quartz granules that ensure a much higher degree of flexibility. This innovation has allowed Dura-lo to change the course of the metal tile industry opening doors to new clients who would not traditionally considered metal systems before.

The concept of granular coated steel roofing materials originated over 50 years ago in England as a means to camouflage galvanized bunkers from enemy pilots during World War Two. Following the war, the concept migrated to New Zealand where it was further developed and used to address the harsh climatic conditions of the Australian subcontinent, including torrential rains, hurricane force winds, and torrid summer sun. Over the next 25 years the product migrated to other continents, finally reaching North America in the late 1970s, where improvements were made to the original composition allowing it to perform well in a broader climatic range.

Dura-Loc Roofing Systems Ltd. was formed in the early 1980s as North America's first manufacturer of granular coated steel roofing, and soon after Dura-Loc metal tiles made with a galvalume coating and an ultraviolet resistant acrylic were launched on to the market. These innovations added superior weathering and performance characteristics and allowed Dura-Loc to develop the 50 Year Protection Plus Limited Warranty offered today on all its roofing Signature systems.

Interloc Building Solutions have been chosen by Dura-Loc Roofing Systems to coordinate market development for the complete range of Dura-loc metal roofing tiles and to represent its activities in the UK and Europe, due to their experience in the roofing industry and their commitment to the growth of the metal tile industry.

The Dura-loc Signature series is available in three distinctive system profiles: The original Continental "S" profile, the Shadowline profile and the Woodshake profile. All the roofing materials are manufactured in high performance modern materials combining lightweight and durability, making them the ideal solution for specification on new buildings or refurbishments.

Dura-loc tiles are being installed worldwide, often in areas of extreme climatic conditions. They are tried and tested with projects in the United Kingdom vary in location from London to Shetland and Belfast to the Falkland Islands.



Shadowline Weathered Slate

Features

The Dura-Loc metal tile-strip has a unique covering of round finely graded ceramic coated quartz granules embedded and sealed in acrylic, providing an attractive, lightweight finish for conventional steel or timber structured roofs, with pitches from 12d to vertical.

What's more a Dura-loc metal tile has the appearance of a traditional slate or plain concrete roof tile without the necessity for cumbersome verge detailing normally associated with metal roofing.

Dura-Loc is now being specified as the preferred system by many architects, contractors, councils and private builders across the country that advise in the use of this alternative solution within a wide range of construction projects from new-build to refurbishments.

- Quick and easy to install
- Available in 3 Unique profiles
- Comprehensive range of Accessories
- Light Weight
- Flexible Coatings
- 50 year limited warranty
- Low pitch applications, down to 120
- BBA certified and successfully installed throughout the UK for a number of years
- Screw fixed for extra strength and flexibility in situations of extreme exposure
- Damage to the unique coating structure can be easily repaired in situ
- UV resistant coating materials, less susceptible to mould growth
- 25 year colour warranty
- Colour coordinated accessories

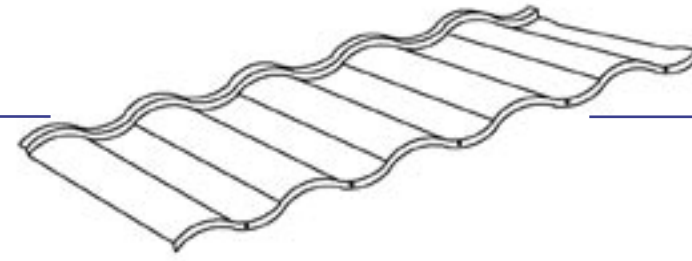
Benefits

Speed of construction and the durability of the product on the roof are some of the main areas for concern within the roofing sector.

Already commonplace in Scandinavia, Canada and California - areas regarded as benchmarks for environmental innovation - metal roofing solutions are becoming the main specification on many building designs. Add to that the increasing pressure on contractors to complete the build process as swiftly as possible with the highest quality materials, the metal roofing solution comes into its own. These are just some of the benefits created by the many features of the Dura-loc Signature series.

- Can take a third of the time to install
- Very low Maintenance
- Ideal for re-roofing applications
- Overall weight of the roof covering is up to 90% less than some concrete systems
- The requirement for lead to carry out flashing details is eliminated
- Increased durability of the materials
- Peace of mind: many existing satisfied customers
- Vandal resistant
- Choice & originality give clients a unique solution
- Guarantees now offered for up to 50 years - up to twice the standard of traditional concrete roofing solution

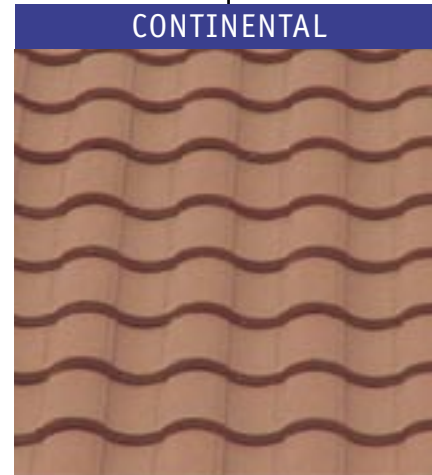
Continental Tile



Continental in Terracotta



Continental in Terracotta



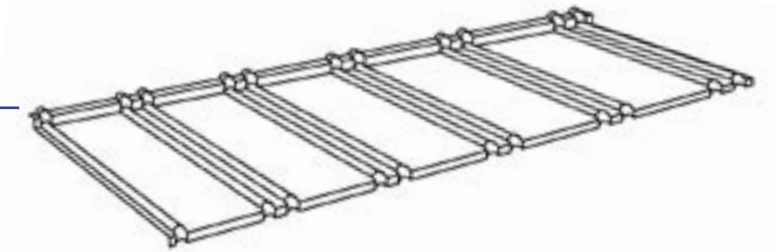
Dura-Loc Continental

Dura-Loc Continental tiles can be described as being of traditional appearance, most frequently used to represent pantiles.

The Continental panel is the original Dura-loc tile and has become a market leader. It's natural look, particularly when used with the variegated colouring has won over many new clients who would not have normally considered granular metal tiling. When combined with the full range of Continental accessories this roofing solution is hard to beat especially in terms of traditional looks and durability.

The Pan tile pattern is repeated five times over the width of the 1.2 meter panel and is available in eight different colours.

Shadowline Tile



Shadowline in Terracotta



Shadowline in Terracotta

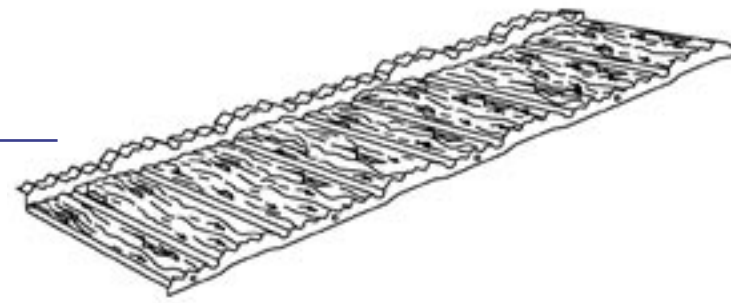


Dura-Loc Shadowline

The Dura-Loc Shadowline tile is regularly specified when a modern slate or plain concrete tile effect is required. Shadowline profile in weathered slate colouring is the most popular choice due to its natural and unobtrusive appearance.

This is a unique profile in the granular metal tile industry. When combined with the Dura-loc accessories and perhaps the folded end detail it is very hard to distinguish from conventional roofing, yet carries all the benefits of low maintenance and a Dura-loc 50 year limited warranty.

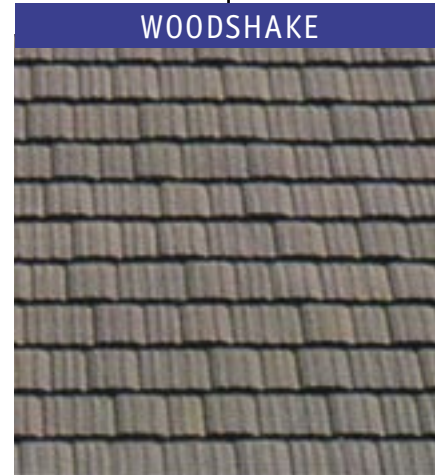
Woodshake Tile



Woodshake in Terracotta



Woodshake in Terracotta



Dura-Loc Woodshake

The Dura-Loc Woodshake tile has a rustic appearance which is especially suited to older properties particularly when used in a variegated colour. Very popular when used to overlay felt shingles or as a more durable alternative to wooden shake tiles.

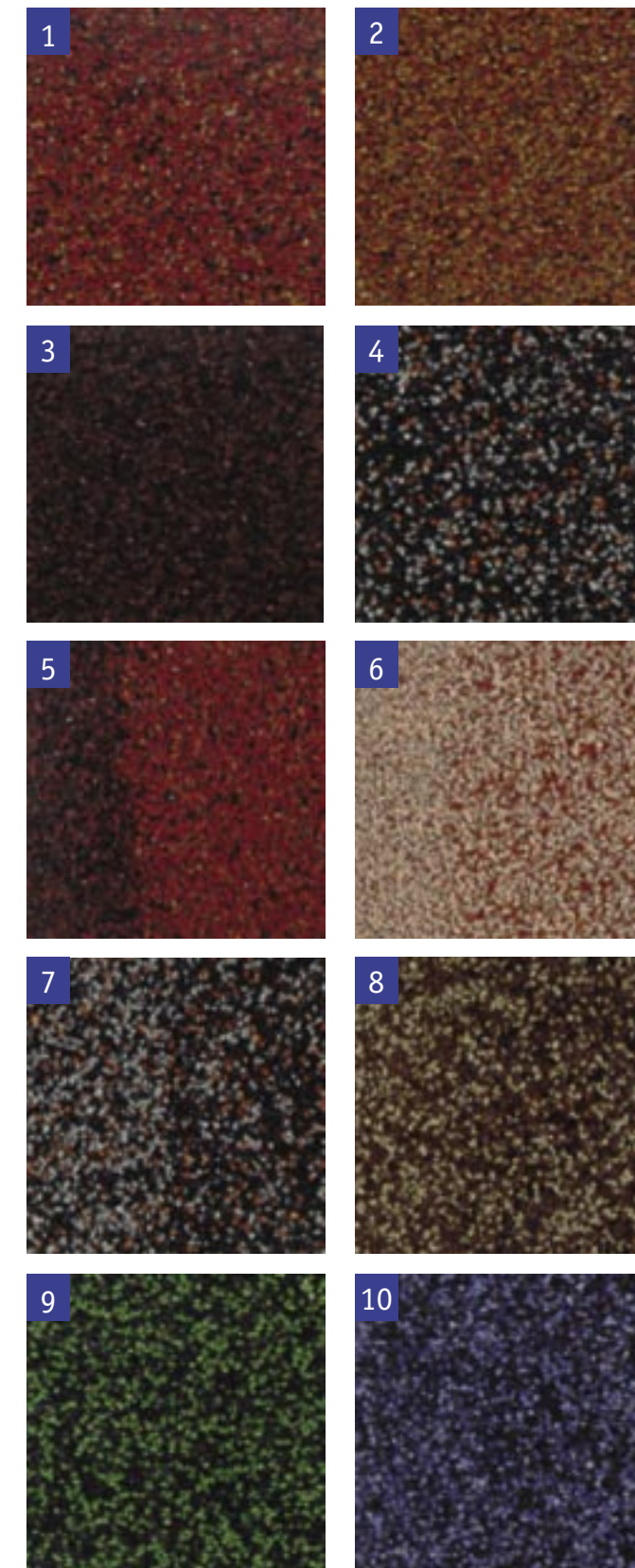
Woodshake tiles have been very popular as an overlay to felt shingles and as an alternative to traditional wooden shakes. A low maintenance requirement for the Dura-loc panel is a prime reason for this. Specifiers have managed to achieve a rustic look without involving products that may split and crack with aging.

The tile has also been adapted in the United Kingdom to match thicker slate such as the Ballahuilish slate, particularly when used in the weathered slate colouring.

Woodshake is often specified on brick clad buildings often in the variegated colours, Sandalwood and weathered wood.

Tile Information

Colours



- 1. Terracota
- 2. Clay
- 3. Briarroot
- 4. Weatherslate
- 5. Mission Terracota
- 6. Autumn Gold
- 7. Natural Wood
- 8. Sandalwood
- 9. Evergreen
- 10. Storm Blue

Product Composition

Copper Systems



The Shadowline and Woodshake tiles have been adapted to allow their manufacture in solid copper. Continental panels and a range of accessories are also available in Copper. As another first for Dura-loc and Interloc

Building Solutions, the copper systems have proved popular as an alternative to copper standing seam systems.

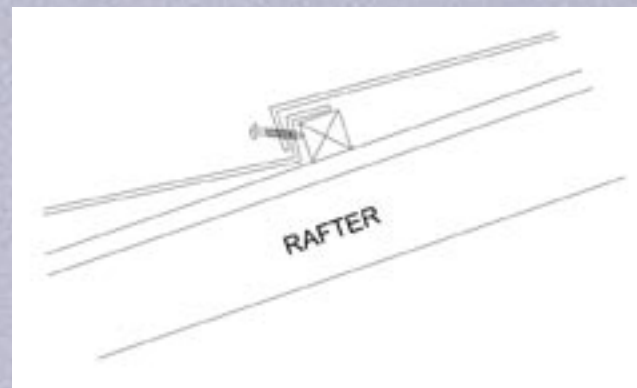
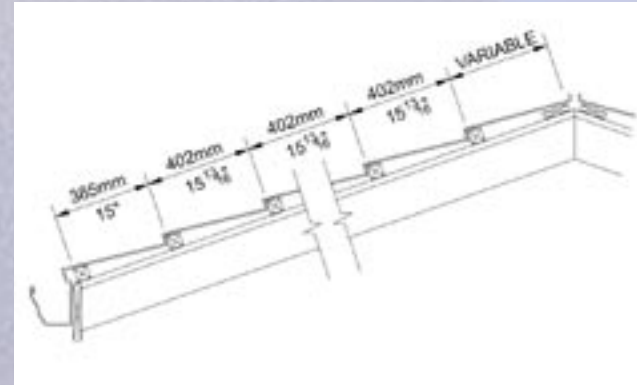


Panel Dimensions

Tile	Continental	Shadowline	Shake
Tile Dimensions			
thickness of sheet (mm)	0.45	0.45	0.45
length of sheet (mm)	1250	1260	1240
cover length (mm)	1200	1200	1200
width of sheet (mm)	415	435	420
cover width (mm)	402	402	402
side lap (mm)	50	60	40
weight of tile (kg)	2.8	2.8	2.8
weight of tiled roof (kgm ⁻²)	5.8	5.8	5.8
coverage per tile (m ²)	0.48	0.48	0.48

Model Specification

For full installation details please refer to the Dura-loc Product and Installation Manual available from Interloc Building Solutions.



Underlay

Fit Interloc breather membrane or equal and approved membrane, to be laid over rafters or Sarking board and lapped to comply with current building regulations.

Battens

Supply and fit a minimum timber batten thickness of 38mm x 25mm. Battens to be installed from the eaves to the ridge. The first batten to be accurately positioned up from the Fascia and the remaining placed using the Dura-loc Batten spacer to ensure correct positioning of the remaining battens. All joints to be staggered with no single spans of battens permitted.

Tiles

Install 1200 x 402mm Lightweight Dura-loc tiles onto treated battens at 402mm centres. Both sides of the panel to be Galvalume protected and chromate pre-treated prior to the application of an acrylic primer. The top surface is to have a coating of ceramic coloured quartz granules and a clear acrylic finish.

Panels are to be laid in rows across the roof from left to right and down the roof from the ridge to eaves by lifting the front of the previous course and tucking the back upstand of the panel under the front downturn of the previous panel. Adjacent tiles to be overlapped with 50mm side laps. The tiles should always be laid in a broken bond form. Tiles can be laid from a minimum pitch of 120 to 900.

Roof panels supplied through Interloc Building Solutions Limited, Sybrig House, Ridge Way, Dalgety Bay, Fife, KY11 9JN

Fixings

Fix panels by driving four Dura-loc hexagonal screws per panel into the batten through the front flange of the tile where it overlaps the rear upstand of the lower tile.

Roof Flashings

All flashings to be made from material matching the roof tiles in order to be included within the Dura-loc warranty.

Eaves

Leave eaves course of Dura-loc panels until all other areas of the roof are complete. Install Dura-loc 3"FGW eaves flashing by placing over the first batten of the extended fascia board and fix through the top flange at minimum 600mm centres. Carry the Breather Membrane over the FGW eaves flashing, taking care not to create any water holding troughs. Fix the bottom course with Dura-loc Screws vertically, off centre from the panel trough through to the first batten.

Verge

Carry the Interloc Breather Membrane underlay or equal and approved over full width of verge. Install minimum 38mm x 25mm verge timber batten flush with the fascia. Bend up adjacent tiles along edge of verge batten. Install Dura-loc trim from the bottom up, the exposed lower end of this trim is cut, notched and bent down to close in the end. The consecutive pieces should be lapped according to the Dura-loc Manual fitting instructions and fastened down through the top at the centre of the overlap.

Dry Hip

Lay courses of underlay over hip with overlaps of not less than 150mm. A timber support board, 114mm high is centred on the hip on edge. Tile battens are butted to this board parallel to each side. The Dura-loc hip trim is installed from the bottom up, over the support board with a minimum lap of 100mm at joints. The exposed end of the hip trim is cut notched and folded to encapsulate the support board. At the junction of the hip trim and the ridge, it is again cut, mitred and folded before the ridge trim is folded over it to provide a neat weatherproof detail. The hip trim is fastened down through the top into the support board.

Dry Ridge

Lay top course of underlay from one side of ridge over apex to overlap top course of underlay on other side by not less than 150mm. Install the Dura-loc ridge cap in the same manner as the Hip trim.

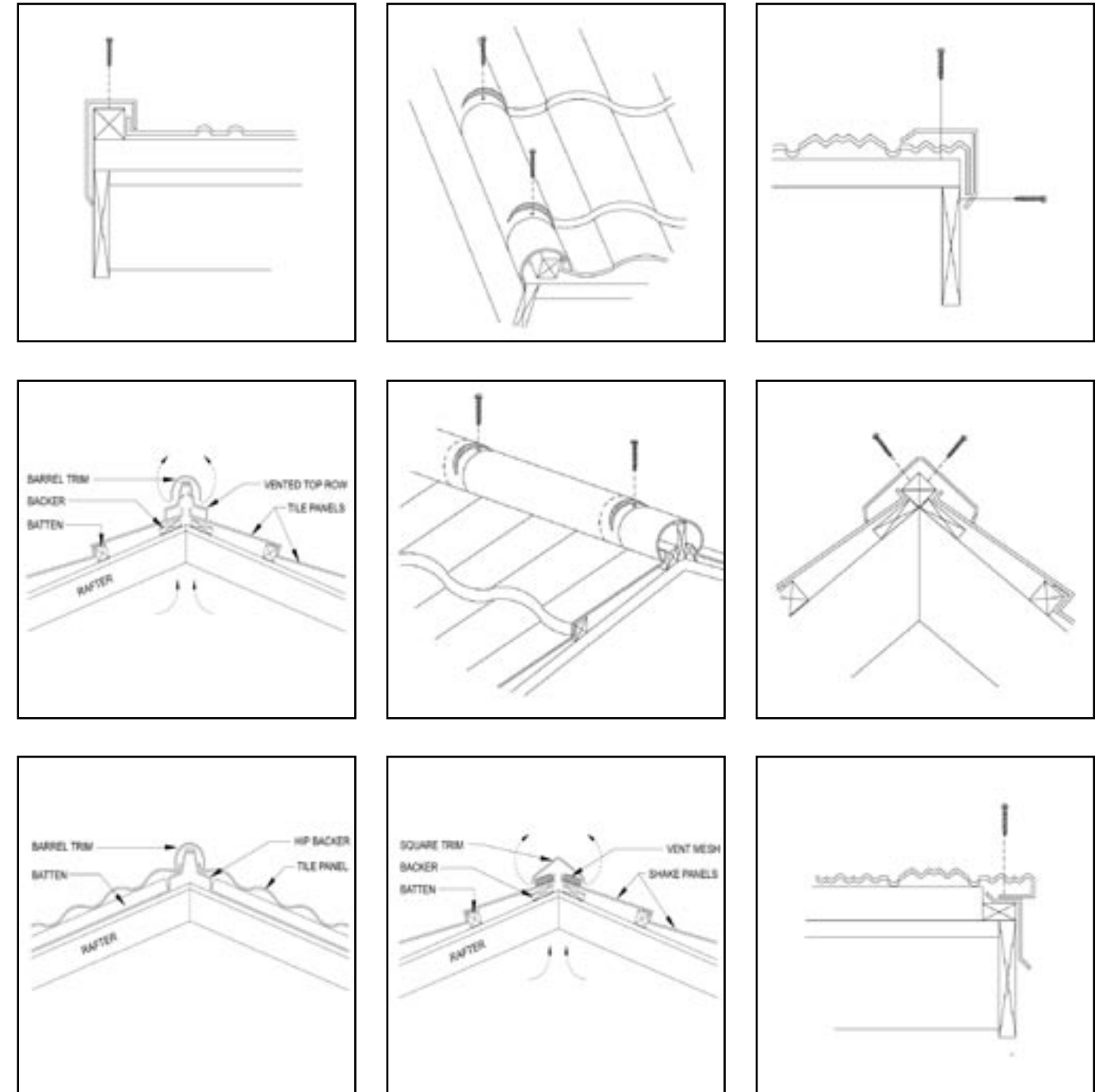
Ventilation

Ridge and eaves ventilation to be installed as per the Dura-loc installation manual. In-line or Cowal ventilation tiles to be used where required providing soil pipe and passive ventilation.

Further Information

For further information on specification details please contact the Interloc Technical Department.

Application Details



Approvals & Warranty

Each Dura-loc Signature series profile and system is manufactured to meet or exceed the world's highest standards for roofing and comply with most major model building codes. The most relevant accreditation to the UK is BBA certificate 02/3930 achieved by Dura-loc. This can be accessed via the BBA, or Interloc websites.

Several other important accreditation has been achieved particularly relevant is the Miami Dade county approval which insists on Hurricane proofing due to the extreme weather conditions experienced in that part of North America.

The Dura-loc 50 year Signature Series Limited Warranty, warrants that the Dura-loc panels and trims purchased are free of manufacturing defects, will remain leak proof, will not burn or support combustion, will resist hail perforation, and that the Dura-loc panels will resist wind uplift in any wind up to 120 mph: for a period of fifty years from the date of purchase. For further details on the warranty please contact Interloc Building Solutions for a specimen copy of the certificate.



Accessories

Dura-Loc tiles have a unique coating system that allows the installer to fold the tiles and accessories onsite in ways that are alien to conventional systems. For example the requirement for lead to carry out flashing details can be eliminated. This is replaced by use of many different flashing items made from the same material and colour as the tiles. Valley pieces, wall flashings and All-Purpose flashings can be folded and formed to fit around most conventional areas of detailing. This can be achieved without cracking the surface of the tiles which can prevent other granular metal tiles from being detailed in this manner.

The 50 Year limited warranty available from Dura-loc Roofing Systems can then be applied to the valleys and flashing pieces because they are, of course, supplied by the same manufacturer.

All areas of flashing are dry fix, including the ridge and hip details therefore reducing potential maintenance problems associated with wet fix.

Barrel Cap

Length of cover 15¾" / 401mm



Shake Cap

Length of cover 48" / 1220mm



Box Barge

Length of cover 7'8" / 2340mm



Ventilated Top Row

Length of cover 7'10½" / 2400mm



Metal Bird Edge

Length of cover 7'10½" / 2400mm



FGW

Length of cover 7'8" / 2340mm



Valley Flashing

Length of cover 7'8" / 2340mm



All Purpose flashing

Length of cover 15¾" / 401mm

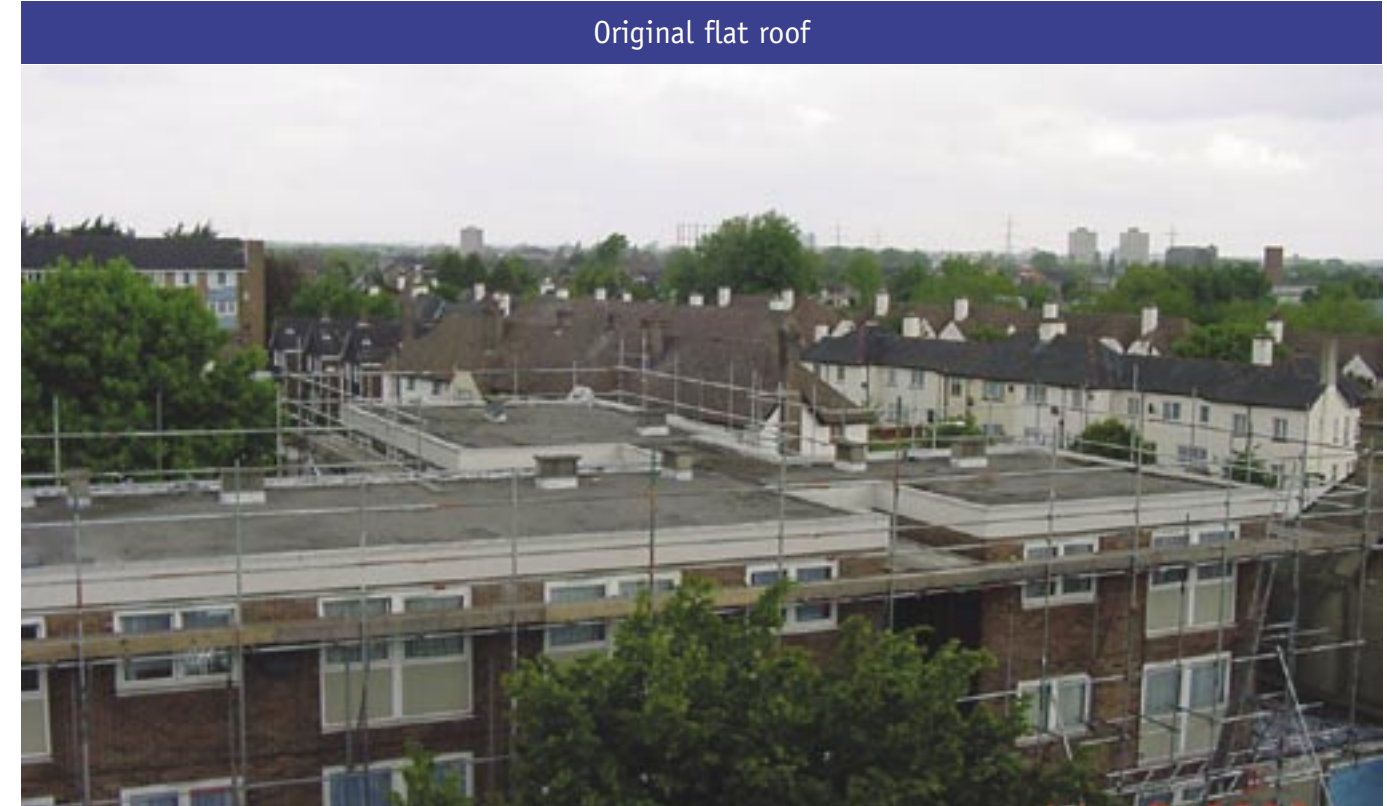
Caulking

Spray Acrylic

Granules

Flat to Pitch Conversions

Original flat roof



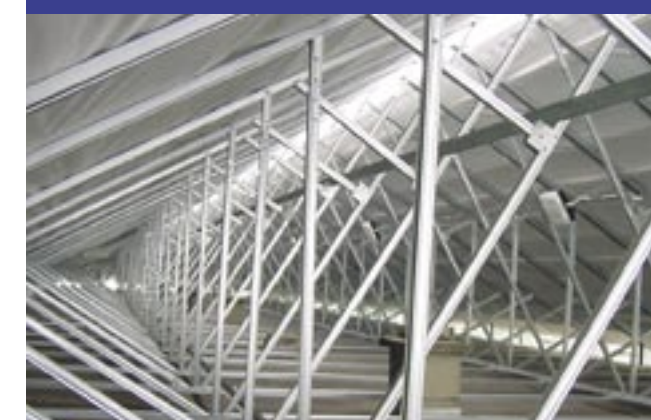
A flat roof can often throw up many problems, ranging from on-going maintenance costs, environmental harm, leakages, and structural damage. Sometimes the solution has been to apply a patch repair to the roof. However in some instances this is not possible and the costs and disruption associated can, over time, lead to accelerated degradation of the membrane and deck. And because an existing construction often has a very limited load-bearing capacity re-roofing with conventional materials can be a problem.

Some building owners also want to change the image of a property that perhaps has grown old and tired looking. A flat-to-pitch conversion can provide an effective solution that will transform the look of a property, whilst adding considerably to the life expectancy of the building. This can increase the value of the property, reduce insurance costs and give a stronger image to the building occupants.

Dura-Loc tiles, provided by Interloc Building Solutions, can help achieve the ideal result. The lightweight, tough and durable sheets can provide significant weight and cost savings in the supporting structure. Dura-Loc tiles allow re-roofing with a minimum of weight and a maximum amount of performance, effectively sealing in the supporting structure with a 50 year limited tile warranty.

There is a growing trend for this type of approach to flat roofing challenges and Dura-Loc has been supplied and installed on many of these projects. For further information and recommendations please contact the Interloc Technical Department.

Example of supporting structure



Finished roof



Interloc Building Solutions is a modern dynamic company whose objective is to be at the forefront of roofing technology and system provision. Our aim is to develop ongoing business relationships with our clients, based upon mutual understanding and benefit and through the provision of an informed, professional and highly effective service.

The Building envelope is no longer about stand alone products but is becoming increasingly dependant upon integrated systems. Through our partnering agreements with several major international product manufacturers we are able to integrate their quality products into roofing systems that can provide project specific solutions to suit our client requirements.

We have developed relationships with many different types of clients including Architects, Property owners, Surveyors, Main Contractors, system builders and of course the end users. Each client has a different set of needs and requirements which we endeavour to meet. The portfolio of solutions available from Interloc gives our clients the reassurance that we will provide a tailored solution that is right for their individual project.

We can provide you with a modern and realistic approach to product specification. To find out more about how this could benefit you contact Interloc.

Quality Systems available from Interloc Building Solutions.

- Envirotech EP Single Ply Systems
- Dura-loc Granular Metal roof tiles
- Interloc RT-250 Hot rubberised Asphalt, structural waterproofing
- Interloc Roof Garden Systems

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