

CI/SFB	December 2013	
(47)	Nh3	
Uniclass	JH67: L52: P4131	
Issue 01		

Decra®  
roof systems



# Decra® Plus

Pitched Roofing Systems



## Decra® Roof Systems

### Lightweight tiles in a range of attractive finishes

The ideal roof is both functional and strong, but also enhances a building, adding value to a property while also protecting it from weather and intrusion. The Decra® system meets this brief with a lightweight, steel roofing tile designed to deliver exceptional strength and weather resistance, and available in range of highly attractive finishes.

Decra® is ideal for all applications and locations, whether new build or refurbishment, residential or commercial, urban or rural. Over the last 50 years, Decra® tiles have been installed on over 60 million m<sup>2</sup> of roofs across Europe, protecting buildings in all environments, from city centres to mountainsides.

### The most robust tile of its kind

Further enhancing an already strong design, Decra® Plus offers additional protection from forced entry or vandalism, giving the system Secured by Design accreditation from the Association of Chief Police Officers.

Decra® Plus is ideal for commercial or secure applications, for buildings often left unattended (such as community centres and sports pavilions), and for any structure prone to vandalism. Featuring a core of heavy gauge steel, Decra® Plus tiles are fixed at both the top and bottom edge making them very difficult to remove. At only a quarter of the weight of concrete alternatives, Decra® Plus tiles are quick and easy to install on all roof types and on pitches as low as 10°.

#### Low maintenance

Decra® tiles are exceptionally durable, and offer superior weather protection, and so maintenance costs are minimal during the lifetime of the installation.

#### Unrivalled strength

The steel core within a Decra® tile provides unparalleled strength compared to traditional materials, minimising breakage during transport and installation, and keeping subsequent maintenance bills to an absolute minimum.

#### Unrivalled weather protection

Decra® tiles are storm proof – tests have proven their resistance to winds up to 160 km/h and rain falling at 200mm per hour. Decra® tiles offer weather protection from rainfall, hail, snow, ice, sun – even hurricanes – without damage, and are already installed in some of the world's harshest environments.



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### Third Party Approval

Decra® roof tiles have been independently site and laboratory tested by the British Board of Agrément and awarded BBA certificate number 95/3122.

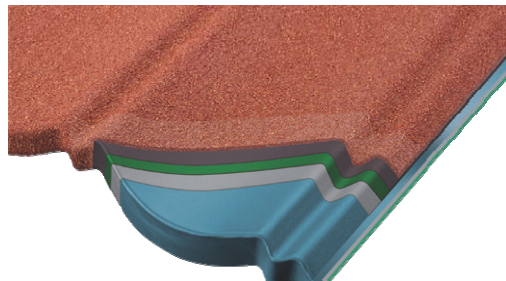


### Secured by Design Accreditation






Decra® is the only UK roofing manufacturer to win Secured by Design accreditation from the Association of Chief Police Officers for the Decra® system, which features enhanced security fittings and a specialised installation method. It accredited by the Loss Prevention Certification Board (LPCB) to LPS 1175 and awarded certificate number 834a.



### Composition of Decra® Plus



#### Composition

-  Transparent protection layer
-  Natural stone granulate
-  Attached acrylic resin
-  Epoxy coating
-  Steel core with thermal zincing

#### Colours



Terracotta



Anthracite

### TECHNICAL DATA

Pitch	
Minimum Pitch	10°
Maximum Pitch	90°
Dimensions	
Size of tile - overall (w x h)	1324 mm x 410 mm
Size of tile - cover (w x h)	1260 mm x 370 mm
	(7 Pan tile/each pan 180 mm wide)
Coverage	0.465 m <sup>2</sup> per tile (2.15 tiles per m <sup>2</sup> )
Thickness	0.9 mm
Composition	Galvanized Steel core (Zn 275 g/m <sup>2</sup> )
Weight	
Weight per tile	5.4 kg
Weight per m <sup>2</sup>	11.65 kg
Attachment	
Fixing Type	Decra Plus Fixing Nails or Decra Plus Screws
Fixings per tile	7
Battens	
Batten distance	370 mm
Batten coverage	2.7 linear metres per m <sup>2</sup> (plus wastage)

Batten Size Required	
Max Rafter Centres (mm)	Minimum batten thickness (recommended) (h x w)
450	38 mm x 25 mm
600	50 mm x 25 mm
900	50 mm x 50 mm
1200	50 mm x 50 mm
1500	50 mm x 65 mm



## System Components

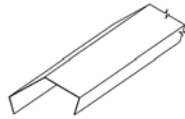
A range of Decra® accessories have been individually designed to ensure compatibility and play a vital role in achieving the total integrity of the Decra® roof system. Accessories include ridge caps, barge covers and closures.

### Accessories for Decra® Plus

#### D-Ridge

Traditional angle shape D ridge for use at ridges and hips.

Cover: 1200 mm

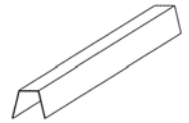


#### B-Ridge

For use on ridges and hips.

**NOTE:** Ridge ventilation strips cannot be used with this component.

Cover: 1200 mm



#### D-Ridge End Closure Unit

For use at intersection of D-Ridge with Decra barge cover. Simplifies installation and improves consistency of finish.

Cover: 125 mm

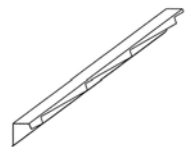


#### Barge Cover - Left Hand

Scribed cover for use at gables/verges/barges.

*Covers three courses of tile.*

Cover: 1110 mm



#### D-Ridge Hip End Closure Unit

Traditional angle shape D ridge for use at ridges and hips.

Cover: 1200 mm



#### Barge Cover Eaves Closure Unit- Left Hand

For use at foot/base of gable.

Simplifies installation and improves consistency of finish.

*Covers three courses of tile.*

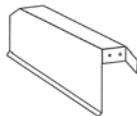
Cover: 1110 mm



#### Cloaked Verge Cap - Left Hand

For use at gables/verges/barges.

Cover: 370 mm



#### Barge Cover - Right Hand

Scribed cover for use at gables/verges/barges.

*Covers three courses of tile.*

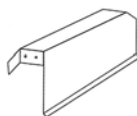
Cover: 1110 mm



#### Cloaked Verge Cap - Right Hand

For use at gables/verges/barges.

Cover: 370 mm



#### Barge Cover Eaves Closure Unit- Right Hand

For use at foot/base of gable.

Simplifies installation and improves consistency of finish.

*Covers three courses of tile.*

Cover: 1110 mm





## Accessories for Decra® Plus

### Side Flashing - Left Hand

For use at sloping abutment walls.

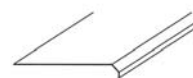
Cover: 1110 mm



### Top Course

For use at sloping abutment walls.

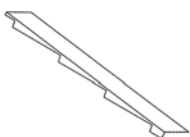
Cover: 1200 mm



### Side Flashing - Right Hand

For use at sloping abutment walls.

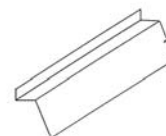
Cover: 1110 mm



### Decra Warm Roof Eaves Closure Unit

Designed for use on warm roof applications. Provides an attractive finish for eaves detailing. Must be used with Decra Warm Roof Eaves Guard and Decra Warm Roof Eaves Closure Flashing.

Cover: 1200 mm



### Decra Flat Sheet

Available in Anthracite, Terracotta, Brindle, Shiny Black, and Teak.

Size: 1280 mm x 905 mm



### Decra XL Ridge

Wider ridge capping.

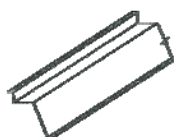
Cover: 1200 mm; 180 mm wings



### Decra Eaves Closure

Designed for use on over-felt pitched roofing applications. Provides an attractive finish for eaves detailing.

Cover: 1110 mm

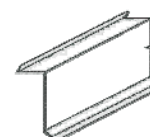


### Decra Wall Abutment Flashing

Designed for use as an apron flashing at top edges of roof. Provides an attractive alternative to lead flashing.

Available in Terracotta, Charcoal, Brindle, Pepperstone, Teak.

Cover: 950 mm



### Decra Finishing Kit

Touch up kit for vertically driven nails. Occurs at eaves and gable ends only.

Recommended 1 kit per 350 tiles ordered

### Decra Fixing Nails (6 kg pack)

Recommended 1 pack per 420 tiles ordered.

### Decra Power Tile Fixing Nails

For Paslode cordless nail gun. Each pack sufficient to install up to 550 Decra Classic tiles.

Important Note: Use only Decra Power Tile Fixing Nails, never use Paslode nails to fix Decra tiles.



## Availability

Description	Item Code	
	Anthracite	Terracotta
<b>Tiles</b>		
Decra Plus (0.9mm) Tile	PTED1	PTTD1
<b>Ridges / Hips</b>		
Decra Classic D-Ridge	DDEB1	DDTB1
Decra Classic D-Ridge End Closure	DDEDE1	DDTDE1
Decra Classic Hip End Closure	DDEDH1	DDTDH1
Decra Classic B-Ridge	DBEB1	DBTB1
Decra Classic XL Ridge	DDEDX	DDTDX
<b>Verges / Barges / Gables</b>		
LH Cloaked Verge Classic	DHEB2	DHTB2
RH Cloaked Verge Classic	DIEB2	DITB2
LH Barge Cover Classic	DHEB1	DHTB1
LH Barge Cover End Closure Classic	DHEDE1	DHTDE1
RH Barge Cover Classic	DIEB1	DITB1
RH Barge Cover End Closure Classic	DIEDE1	DITDE1
<b>Side Flashings</b>		
LH Side Flashing Classic	DSEB1	DSTB1
RH Side Flashing Classic	DREB1	DRTB1
<b>Top Course</b>		
Decra Classic Top Course	DCEB1	DCTB1
<b>Finishing Kits</b>		
Decra Classic Finishing Kit	DUEB1	DUTB1
<b>Misc Items</b>		
Decra Flat Sheet	DQEB1	DQTD1

## Other Items

Item Code	Description	Coverage
DMEB1	Decra Eaves Closure Unit	1200 mm
PNXD1	Decra Plus Fixing Nails (1.5 kg pack)	up to 125 tiles
PSRD1	Decra Plus Screws (red) (1 pack)	up to 125 tiles
PSBD1	Decra Plus Screws (black) (1 pack)	up to 125 tiles

Please note that this list is not exhaustive. For a full list of parts and accessories please consult the current Decra® Price list.

NOTE: This information is given in good faith being based on the latest knowledge known to Icopal Limited. Whilst every effort has been made to ensure the contents of the publication are current while going to press, customers are advised that products, techniques and Codes of Practice are under constant review and liable to change without notice. Up to date information is available from our Technical Services Department on request.

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All products are sold subject to our standard conditions of sale, available on request.