



# Commercial ROOFING







**Attractive Appearance**

**High Performance**

**Freeze/Thaw Resistant**

**Low Maintenance**

**Fire Safe**

**120 mph Wind Warranty**

**Lightweight**

**50 Year Limited Warranty\***

**Highest Impact Resistance to Hail**

As the pioneer of stone coated steel technology, DECRA® Roofing Systems have been proven around the world since 1957. Marketed and installed in over 120 countries, there are over 1 million DECRA installations worldwide.

DECRA panels are manufactured to international quality standards and are tested to comply with or exceed relevant building codes and regulations. DECRA Roofing Systems, Inc. has been assessed and registered as meeting the requirements of ISO 9001:2008, OHSAS:18001 and ISO 14001:2004.

For over 100 years architects, builders, engineers and designers have specified metal roofing to protect their projects. Metal has a long standing reputation for performance, longevity, versatility and beauty.

DECRA's lightweight roofing systems offer a high performance alternative to other roofing products, ideal for new construction or renovation in commercial, institutional and residential applications where high performance, long life and low maintenance are desired.

## **What makes DECRA Roofing Systems unique?**

The cutting edge technology of the acrylic priming system enhances the superior corrosion resistance of the aluminum-zinc alloy coated steel.

The interlocking panels provide protection against the elements.

50-Year Warranty that includes 120 mph winds, hail penetration and manufacturing defects.



\*DECRA offers a Lifetime Limited Warranty on single family residential in the U.S. & Canada.



# Commercial Projects



Religious



Recreation



Municipal/Government



Retail



Healthcare



Hospitality



Education





## Specifications

### Composition

- Steel – Aluminum-Zinc Alloy Coating
- Acrylic Priming System
- Basecoat
- Ceramic Coated Stone Granules
- Overglaze

### Evaluations and Testing

- Underwriters Laboratories, Inc. Listed (File# R14710)
  - Fire – UL 790 (ASTM E108 A, B & C)
  - Uplift – UL 580 & UL 1897 Class 90
  - Hail – UL 2218
  - ISO 9001:2008; OHSAS:18001; ISO 14001:2004

### Warranties

- 50-Year Limited Warranty\*
- 120 mph Wind Speed Warranty
- Hail Stone Penetration Warranty

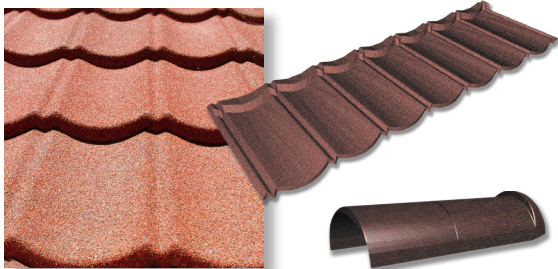


## DECRA Accessories & Components

Description	Stone Coated Finish	Tile (Battens Only)	Villa Tile (Direct to Deck)	Shake (Battens Only)	Shake XD® (Direct to Deck)	Shingle XD® (Direct to Deck)
Hip & Ridge	✓	Tile Hip & Ridge	Tile Hip & Ridge and Bird-Stop Ridge	Shake Hip & Ridge	Shake Hip & Ridge	Shingle Hip & Ridge
Rake/Gable	✓ Hip & Ridge, Rake/Gable Channel, Only Visible Area	Tile Hip & Ridge	Tile Hip & Ridge	Shake Hip & Ridge	XD® Rake/Gable Channel	XD® Rake/Gable Channel
End Cap	✓	Tile End Cap	Tile End Cap	Shake End Cap	Shake End Cap	n/a
Fascia (choose height based on deck preparation)	✓	3.5" or 5" Fascia Metal (Eave) Flashing	Bird Stop - Eave	3.5" or 5" Fascia Metal (Eave) Flashing	See Eave/Starter	See Eave/Starter
Eave/Starter		2 x 2 Batten	1 x 4 Batten (Behind first panel)	2 x 2 Batten	Starter Clip w/ Drip Edge	Starter Clip w/ Drip Edge
Roof-to-Wall	✓ Side Flashing Only	Side Flashing	Villa Channel	Side Flashing	XD® Channel	XD® Channel
Roof Penetrations (pipe or vents)		Tile Underpan	Villa Underpan	Shake Underpan	XD® Underpan	XD® Underpan
Valley	✓ Valley Cap Only	Source Locally	Villa Valley	Source Locally	XD® Valley & Cap	XD® Valley & Cap
Panel Fastening (per panel min)		Min 4 fasteners	Min 4 screws	Min 4 fasteners	Min 5 screws	Min 5 screws
Panel Touch-Up (coordinate with panel color)		Touch-Up Kit	Touch-Up Kit	Touch-Up Kit	Touch-Up Kit	Touch-Up Kit
Custom Finishing	✓	Flat Sheet	Flat Sheet	Flat Sheet	Flat Sheet	Flat Sheet
Venting	✓ Panel Vent Only	Ridge Vent or Tile Panel Vent	Ridge Vent or Villa Tile Panel Vent	Ridge Vent or Shake Panel Vent	Ridge Vent or Shake XD® Panel Vent	Ridge Vent or Shingle XD® Panel Vent
Debris Guard (Rake / Valley)		n/a	n/a	n/a	XD® Debris Guard	XD® Debris Guard

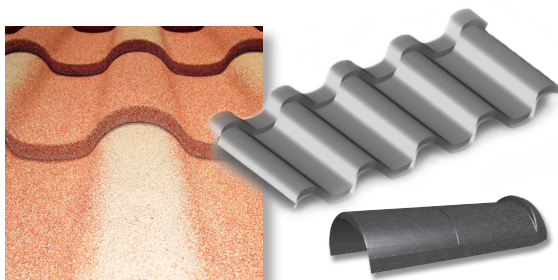


## DECRA Tile



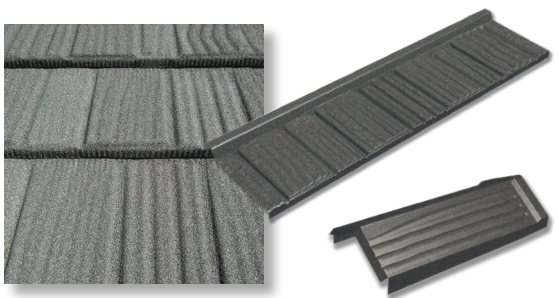
<b>Minimum Pitch:</b>	3:12
<b>Panel Size:</b>	16-1/2" x 52"
<b>Installed Exposure:</b>	14-1/2" x 50"
<b>Panels per Square:</b>	20
<b>Installed Weight:</b>	150 lbs. /sq.

## DECRA Villa Tile



<b>Minimum Pitch:</b>	3:12
<b>Panel Size:</b>	17" x 44-1/4"
<b>Installed Exposure:</b>	14-1/2" x 39-1/2"
<b>Panels per Square:</b>	25.2
<b>Installed Weight:</b>	160 lbs. /sq.

## DECRA Shake



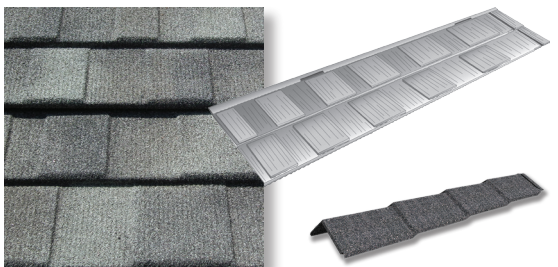
<b>Minimum Pitch:</b>	3:12
<b>Panel Size:</b>	14-5/8" x 53"
<b>Installed Exposure:</b>	12-5/8" x 51"
<b>Panels per Square:</b>	22.4
<b>Installed Weight:</b>	150 lbs. /sq.

## DECRA Shake XD®



<b>Minimum Pitch:</b>	3:12
<b>Panel Size:</b>	14-1/8" x 52-1/8"
<b>Installed Exposure:</b>	12-3/8" x 49-7/8"
<b>Panels per Square:</b>	23.4
<b>Installed Weight:</b>	150 lbs. /sq.

## DECRA Shingle XD®



<b>Minimum Pitch:</b>	4:12
<b>Panel Size:</b>	14-1/8" x 52-3/8"
<b>Installed Exposure:</b>	12-1/4" x 49-1/2"
<b>Panels per Square:</b>	23.8
<b>Installed Weight:</b>	150 lbs. /sq.



## Above Sheathing Ventilation



### Solutions

- Compared traditional asphalt shingles to stone coated steel shingles installed on battens and counter battens.
- Oak Ridge National Labs tested the benefits of the air-space created by a batten and counter batten installation.
- Testing concluded that the air-space created by the battens and counter battens reduced the heat transfer into the conditioned space by 30%.
- Determined that the vented space was just as important as solar reflectance for reducing heat gain.

## Bethlehem Lutheran Church



### Solutions

- Reroof the Bethlehem Lutheran Church that is subjected to high winds that have caused the existing asphalt shingles to blow off.
- The key benefit was the interlocking nature of DECRA's direct to deck, hidden fastener product, DECRA Shake XD®.
- Eliminated the need for constant patching, repairing, and fixing the existing asphalt roof.
- The Shake XD® roof provided an upgraded more dimensional appearance while coordinating with the existing style of the church.

## Sleep Center



### Solutions

- Redesign of a home, in a residential area, to serve in a commercial capacity as a sleep center reroofed with DECRA Shake XD®.
- Increased patient safety. Metal is a Class A fire rated material; the old wood shingle roof was a fire hazard.
- Shake XD® emulates wood shake so the choice preserved the residential feel, blending with the surrounding neighborhood.
- Easy to maintain. The stone coated steel requires little to no maintenance, and has a 50-year warranty.

## 29 Palms



### Solutions

- 29 Palms Military housing used DECRA® Tile, Shake and Villa Tile.
- DECRA®'s fastening methods and resistance to extreme temperature fluctuations provided the necessary protection against the high winds and a harsh desert environment.
- DECRA® provided an attractive and durable long-term roofing solution.
- The steel panels reduced energy consumption and met the sustainability requirements for the military.



## Log on!

DECRA's website contains a wealth of information on products and continuing education, as well as DECRA's commitment to sustainable products and manufacturing processes. Learn about the benefits of stone coated steel and DECRA's contribution to LEED 2009 and LEED Homes.

Additionally you can find DECRA's cost calculator, Distributor Locator and view the extensive photo gallery. Log onto [www.decra.com](http://www.decra.com) today to find the answers you need to all of your DECRA questions.



## Case Studies

All of DECRA's case studies are available for printing and downloading from the web site in PDF format:

- Ageless Beauty
- Environmental Solutions
- Low Maintenance
- Durability and Long Life Cycle
- Historical Preservation
- Innovative Design

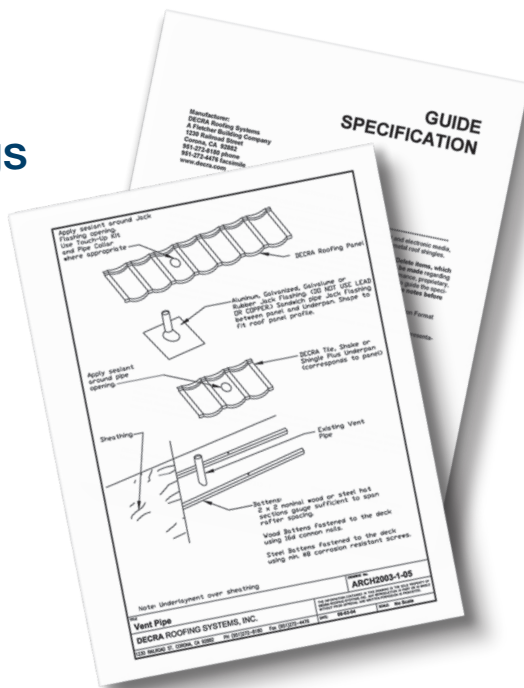
## Specifications & CAD Drawings

DECRA offers three part CSI specifications in Word and PDF format for Tile, Villa Tile, Shake, Shake XD® & Shingle XD®.

For a quick reference see the one page specification sheet in the Technical Section on the website.

DECRA also offers Technical Drawings for all products, available for download in PDF, JPG and CAD format.

- Tile and Shake Details with Battens
- Villa Tile, Shake XD® & Shingle XD® Direct to Deck



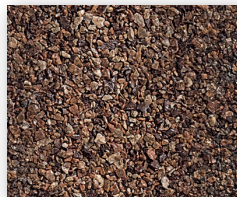


# Available Colors

## Tile / Shake Color Blends



Charcoal



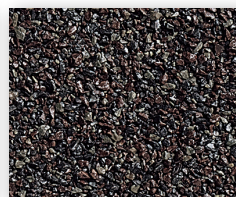
Chestnut



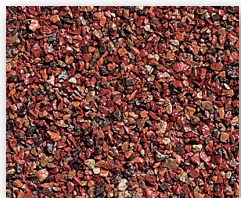
Garnet (Tile Only)



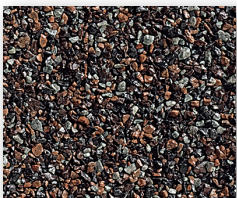
Granite Grey



Shadowwood



Terracotta (Tile Only)



Weathered Timber

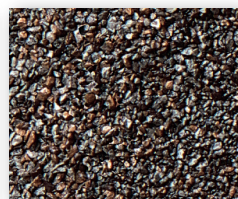
## Villa Tile Color Blends



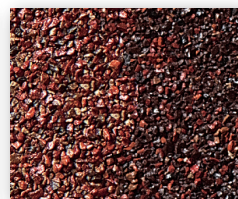
Amalfi Sand



Capri Clay



Pompeii Ash

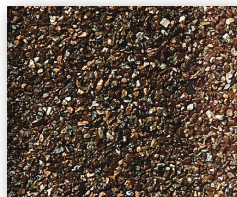


Rustico Clay

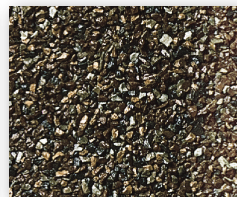


Venetian Gold

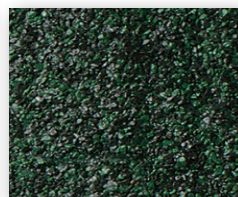
## Shake XD® Color Blends



Antique Chestnut



Pinnacle Grey



Woodland Green

## Shingle XD® Color Blends



Classic Cobblestone



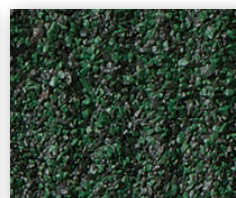
Midnight Eclipse



Natural Slate



Old Hickory



Woodland Green

*Look for our complete line of venting and debris guard accessories,  
designed exclusively for use with DECRA Roofing Systems.*

The stone coated finish has been enlarged to show more detail. Final color selection should be made from an actual product sample.

Lifetime Limited Warranty\*; 120 mph Wind Warranty; Highest Impact Resistance to Hail; Freeze/Thaw Resistant; Fire Safe  
UL File #R14710; Florida Building Code, Miami-Dade County NOA, CCMC and ICC-ES reports available at [www.decra.com](http://www.decra.com).



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**DECRA**  
Roofing Systems

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\*DECRA Lifetime Limited Warranty is only applicable to single family detached residential property in the U.S. & Canada.

877.GO.DECRA [463.3272]  
[www.decra.com](http://www.decra.com)