Commercial Roofing Systems
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.
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
  - Hall – UL 2218

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

DECRA Accessories & Components

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

*Available only for Stone Coated Finish.
**DECRA Tile**

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

**DECRA Villa Tile**

- **Minimum Pitch:** 3:12
- **Panel Size:** 17" x 44-1/4"
- **Installed Exposure:** 14-1/2" x 39-1/2"
- **Panels per Square:** 22.4
- **Installed Weight:** 160 lbs./sq.

**DECRA Shake**

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

**DECRA Shake XD®**

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

**DECRA Shingle XD®**

- **Minimum Pitch:** 4:12
- **Panel Size:** 14-1/8" x 52-3/8"
- **Installed Exposure:** 12-1/4" x 49-1/2"
- **Panels per Square:** 23.8
- **Installed Weight:** 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 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
- Shadowood
- 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

Shingle XD® Color Blends

- Classic Cobblestone
- Midnight Eclipse
- Natural Slate
- Old Hickory

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

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