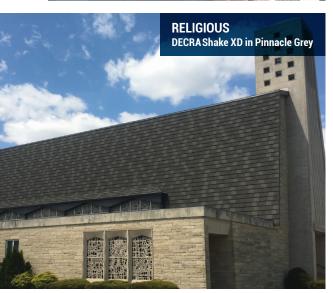


UPGRADE TO METAL ROOFING







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

Manufactured to US and international quality standards, DECRA products are tested to comply with or exceed current building codes and regulations. DECRA Metal Roofing has been assessed and registered as meeting the ISO 9001:2015, ISO 45001: 2018 and ISO 14001:2015.

Metal roofing is specified as a solution for performance, longevity, versatility and design. DECRA's lightweight metal roof systems are ideal for new construction or renovation in commercial, institutional and residential applications where high performance, long life and low maintenance are necessary.



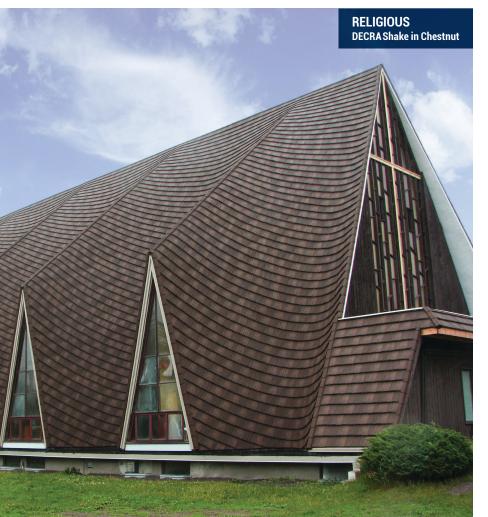
















WHAT SETS DECRA METAL ROOFING APART?

DECRA Metal Roofing provideS safety and protection when it comes to nature's harshest elements such as fire, wind, hail, hurricanes, seismic activity and extreme cold and heat.

Why?

The cutting edge technology of the acrylic priming system enhances the superior corrosion resistance of the aluminum-zinc alloy coated steel combined with a 62 year history of manufacturing stone coated steel.

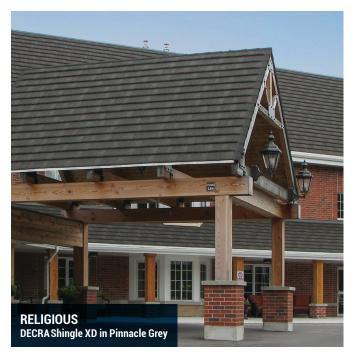
RELIGIOUS DECRAVIlla Tile in Capri Clay

- 50 Year Commercial Warranty* (first 20 years non-prorated material and labor)
- ✓ Wind 120 mph warranty. Max design pressure up to -153.6psf (equates to over 180 mph). Refer to profile fastening schedules
- ✓ Hail Class IV impact resistance (highest rating)
- **✓** Fire Class A, B, and C fire rated, non-combustible
- ✓ Earthquakes Lightweight roofing fastened with screws strengthens the roof deck to reduce seismic activity failure. Material weight – 150 to 160 lbs per square based on profile
- ✓ Miami-Dade County Building Code Approval
- ✓ Coastal Environments Salt Fog Tested to ASTM B117

- **✓** Energy Efficient Above Sheathing Ventilation (ASV)
- ✓ Sustainability Attributes Made with up to 30% recycled content combined, recyclable at end of life, potable water run off, long life, low maintenance
- ✓ Added tensile strength through higher grade steel and panel designs.
- 26 gauge steel accessories adds strength and durability to the whole roof system
- ✓ Install Savings Full warranty when roofing over a layer of material – contact DECRA for specifics
- ✓ Insurance Discounts Available
- ✓ LEED Points Available

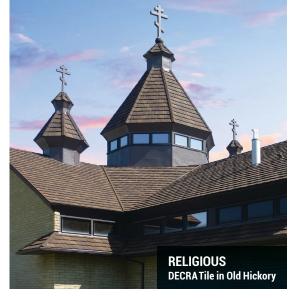
*DECRA Metal Roofing offers a Lifetime Limited Warranty on single family residential in the U.S. & Canada.

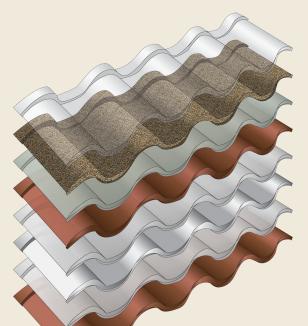










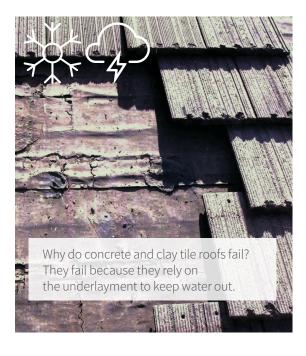


PEACE OF MIND

Impressive aesthetic designs are what you see at first glance, but underneath are layers of pure protection. A DECRA roof is a piece of beauty that offers peace of mind.

- ✓ Steel Aluminum-Zinc Alloy Hot Dip Coating
- ✓ Acrylic Priming System
- ✓ Acrylic Basecoat
- ✓ Ceramic Coated Stone Granules
- ✓ Clear Acrylic Overglaze





PROVEN HISTORY OF SURVIVING HARSH CONDITIONS









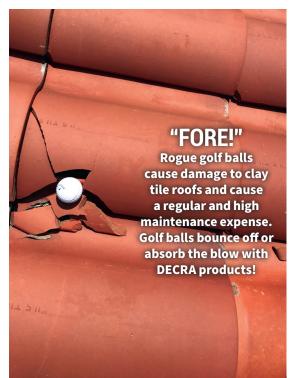






DECRA's roofing systems have excelled through some of the harshest weather conditions around the world for over 60 years. DECRA's interlocking panels are strong and non-combustible (Class A fire-rated). They are covered by a 50 Year Warranty* of which the first 20 years are non-prorated and include peace-of-mind coverage for winds up to 120 mph and hailpenetration (Class 4 Impact Resistant).









SURVIVING THE STORM





"Our Naples, Florida condo was hit dead-on by the eye of Hurricane Irma in September 2017. Lashing us with 140 mph winds, I am happy to report that our DECRA Shake XD roof delivered outstanding performance and protection. Not a single DECRA roof panel in our complex was uplifted or torn off during the storm." — Pattie Villari, Naples Bath & Tennis Club in Naples, Florida





This DECRA Shake roof survived a tornado with no damage.

Benefit from Above Sheathing Ventilation (ASV): DECRA Metal Roofing, panels create an airspace between the panel and the roof deck. This reduces solar heat gain transfer and helps to reduce and or eliminate ice dams.

ENERGY EFFICIENCY

Oak Ridge National Laboratory conducted a study, commissioned by the Department of Energy's Buildings Technologies Program, to test different products and roof assemblies. The DOE funded the study because of the development of infrared-blocking color pigments. The first IR-blocking color pigments were used in military camouflage to hide objects from heat seeking devices, and the DOE was interested in the possible benefits of the "cool" pigment when applied to roofing materials, especially stone coated metal roofs. IR-blocking granules are both highly emissive and reflective.

Testing on the metal panels covered with IR-pigments returned unexpected results. When compared to the asphalt shingle roof, the test roof covered with an IR-pigment granule, installed on a counter-batten and batten system, reduced heat transfer by about 45% — however, only 15% could be attributed to the IR-pigment granules, and 30% of the reduction could be attributed to over the deck venting.



COOL ROOFING

Energy saved by switching from concrete tile to DECRA Villa Tile





Antique Chestnut CC, Mist Grey CC, and Tuscan Sun CC are now available in all DECRA profiles. These CRRC-approved cool roof colors are effective at reflecting unwanted solar heat on the roof.

SOLAR INTEGRATION

Solar panels can easily be integrated into a DECRA Metal Roof system. Solar systems need a long term roofing system to avoid replacing the roof underneath the panels.

Quick Mount PV (www.QuickMountPV.com) and QuickBOLT (www.QuickBOLT.com) both offer solar mounts for DECRA panels, making solar panel installation quick and easy. Quick Mount PV parts QMNS and/or QMWC work on DECRA panels. New roofs use Quick Bolt part numbers 17536, 17548, 17552, 17620, 17626 and Microflash 17669 and associated accessories to retrofit existing roofs.













QuickBOLT (pictured above) offers hooks for both batten and interlocking DECRA Metal Roof systems to mount solar panels to new roofs and Microflash for existing roofs. Quick Mount PV (pictured to the right) also offers different solar mounts for both batten and interlocking DECRA Metal Roofing systems.

DECRA COMMERCIAL CASE STUDIES

All of DECRA's case studies are available for printing and downloading from the website in PDF format. In addition to the highlighted case studies below, also find case studies on durability, environmental solutions, low maintenance historical preservation and innovative design.

HISTORIC PRESERVATION: THE RED ANTIQUITIES BUILDING

Problem: Constructed in 1873, the Red Antiquities Building in London, Ontario Canada, needed to preserve its historical appearance of a wood shake roof while finding ways to reduce energy and maintenance costs.

Solution: DECRA Shake XD in Antique Chestnut reduces the heat in the attic and provides the classic wood shake appearance that meets historical preservation requirements.

Results: The restoration of the building will allow for many more years of service to the community and the new roof has helped in reducing maintenance and energy costs.





RELIGIOUS: BETHLEHEM LUTHERAN CHURCH

Problem: Bethlehem Lutheran Church's existing asphalt shingles were falling off due to high wind conditions in Aberdeen, South Dakota.

Solution: Installing DECRA Shake XD in Pinnacle Grey. The interlocking nature of DECRA's direct to deck, hidden fastener product can withstand 120 mph winds.

Results: 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 church style.

COMMERCIAL: SLEEP CENTER

Problem: The new commercial Sleep Center needed to blend into the residential area it resided in and the old wood shake roof posed a fire hazard.

Solution: Installing DECRA Shake XD in Pinnacle Grey. Shake XD is a Class A fire rated material and emulates wood shake.

Results: The Class A fire rating ensured patient safety and the choice of Shake XD preserved the residential feel, blending with the surrounding neighborhood. Easy maintenance, a 50-year warranty and minimal noise requirements are also a plus.





GOVERNMENT: 29 PALMS MILITARY HOUSING

Problem: 29 Palms Military Housing was built in a harsh desert environment with harsh winds and extreme temperatures.

Solution: Installing DECRA Tile, Shake and Villa Tile. DECRA's fastening methods, ability to withstand 120 mph winds and resistance to temperature fluctuations made it the right choice for the desert.

Results: DECRA provided an attractive, yet durable long-term roofing solution. The steel panels not only stand up to the environment but reduce energy consumption and met the military sustainability requirements

DECRA PROFILES

DECRA VILLA TILE

Installed direct-to-deck, DECRA Villa Tile features the classic beauty, elegance and architectural detail of an old-world Italian tile.



Installation: Direct-to-Deck

Minimum Pitch: 3:12

Panel Size: 17" × 44-1/4"

Installed Exposure: 14-1/2" x 39-1/2"

Panels per Square: 25.2

Installed Weight: 160 lbs. / sq.



DECRATILE

Installed over battens, DECRA Tile, offering the beauty and style of Mediterranean tile, adds a unique elegance to any roof.



Installation: Over Battens

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 SHINGLE XD

Installed direct-to-deck, DECRA Shingle XD has the rich, bold appearance of a heavyweight architectural shingle at a fraction of the weight.



Installation: Direct-to-Deck

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.



DECRA SHAKE XD

Installed direct-to-deck, DECRA Shake XD emulates the classic beauty and architectural detail of a thick, rustic, hand-split wood shake.



Installation: Direct-to-Deck

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 SHAKE

Installed over battens, DECRA Shake offers the distinctive beauty and richness of cedar shake, while providing durability and longevity.



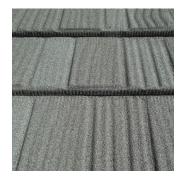
Installation: Over Battens

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.



ACCESSORIES TO ENHANCE & COMPLIMENT DECRA PROFILES

Description	Stone Coated	DECRA Villa Tile (Direct to Deck) Hidden Fasteners	DECRA Tile
			(Battens Only)
Panel Vent 1 Panel Vent / box	√	Panel Size: 17" x 44-1/4" 13.80 lbs Exposure: 14-1/2" x 39-1/2" Net Free Area: 55 sq. in.	Panel Size: 16-1/2" x 52" 12.35 lbs Exposure: 14-1/2" x 50" Net Free Area: 64 sq. in.
Hip & Ridge	1	Tile Hip & Ridge 14-1/2" Exposure 1.1 lbs / piece 900 / 990 lbs / pallet	Tile Hip & Ridge 14-1/2" Exposure 1.1 lbs / piece 900 / 990 lbs / pallet
End Cap	✓	Tile End Cap .2 lbs / piece 50 / 10 lbs / bundle	Tile End Cap .2 lbs / piece 50 / 10 lbs / bundle
Hip	✓	Use Villa Channel along both sides of hip Finish with Tile Hip & Ridge	Tile Hip & Ridge
Ridge	√	Villa Bird Stop - Ridge – 5' Length (both sides of ridge, cover w/ Tile Hip & Ridge) 1.93 lbs / piece 300 / pallet / 579 lbs / pallet	Tile Hip & Ridge DECRA Ridge Vent
Eave Fascia Detail or Starter	all except Starter Pieces	Villa Bird Stop - Eave 5' Length 1.99 lbs / piece 300 / pallet 597 lbs / pallet	3.5" or 5" Fascia Metal (Eave) Flashing 6'6" length 3.5" - 3.5 lbs / piece 300 pcs / 657lbs / pallet 5" - 3.11 lbs / piece 300 pcs / 933 lbs / pallet
Short Course		use batten	use batten
Roof-to-Wall	√ Side Flashing Only	DECRA Channel – 6'6" length 3.4 lbs / piece 150 pcs / 510 lbs / pallet	Side Flashing – 6'6" length 2.27 lbs / piece 150 pcs / pallet 340 lbs / pallet
Roof Penetrations (pipe or vents)		Villa Underpan 1.9 lbs / piece 25 / bdl, 2 bdl / pallet 95 lbs / pallet 18-1/4" x 22"	Tile Underpan 1.95 lbs / piece 25 / bdl, 2 bdl / pallet 98 lbs / pallet 16-1/2" x 24"
Valley	✓ Valley Cap Only	Villa Valley – 6'6" Length 8.70 lbs / piece 100 / 870 lbs / pallet	'W' Valley (brown paint) "U' Valley (stone coated)
Rake/Gable	Hip & Ridge, Rake/Gable Channel, only visible area	DECRA Channel – 6'6" length 3.4 lbs / piece 150 pcs / pallet 510 lbs / pallet (cover w/ Tile Hip & Ridge)	Use Tile Hip & Ridge
Colors	✓	Amalfi Sand, Capri Clay, Pompeii Ash, Rustico Clay, Tuscan Sun*, Venetian Gold, Woodland Green**	Charcoal, Chestnut, Garnet, Granite Grey, Shadowood, Terracotta, Tuscan Sun*, Weathered Timber, Woodland Green**
Installed Weight (approximate)		160 lbs / square (100 sq. ft.)	150 lbs / square (100 sq. ft.)

Additional items available:



DECRA XD Debris Guard

Use with Shake XD and Shingle XD as needed along rakes and valleys 1-1/2" W x 3/4" H x 50' L (2 Rolls) 50' rolls / 4.28 lbs / pkg 28 pkgs / 120 lbs / pallet



DECRA Ridge Vent

(see venting calculator at www.decra.com) 2-1/2" W x 1" H x 20' L (2 Rolls) 20' / 3.31 lbs / pkg 40 pkgs / 133 lbs / pallet



Flat Sheet 16" x 54" (coordinate with panel color) 5.60 lbs / piece - 50 / bundle



Side Flashing
6'6" length (coordinate with panel color)

Counterflashing for headwalls and side walls 2.27 lbs / piece - 150 pcs / pallet 341 lbs / pallet

DECRA Shake DECRA Shingle XD DECRA Shake XD (Direct to Deck) Hidden Fasteners (Direct to Deck) Hidden Fasteners (Battens Only) Panel Size: 14-1/8" x 52-1/8" Panel Size: 14-5/8" x 53" Panel Size: 14-1/8" x 52-3/8" 12.70 lbs 12.80 lbs 12.05 lbs Exposure: 12-3/8" x 49-7/8" Exposure: 12-5/8" x 51" Exposure: 12-1/4" x 49-1/2" Net Free Area: 64 sq. in. Net Free Area: 64 sq. in. Net Free Area: 64 sq. in. Shingle Hip & Ridge Shake Hip & Ridge Shake Hip & Ridge 25-3/4" Exposure 12-5/8" Exposure 12-5/8" Exposure 1.08 lbs / piece .85 lb / piece .85 lbs / piece 460 / 497 lbs / pallet 900 / 765 lbs / pallet 900 / 765 lbs / pallet Shake End Cap Shake End Cap .2 lbs / piece 50 / 10 lbs / bundle .2 lbs / piece 50 / 10 lbs / bundle Use XD Channel along both sides of hip Finish with Shake Hip & Ridge Use XD Channel along both sides of hip Shake Hip & Ridge Finish with Shingle Hip & Ridge Shingle Hip & Ridge Shake Hip & Ridge Shake Hip & Ridge **DECRA Ridge Vent DECRA Ridge Vent DECRA Ridge Vent** 3.5" or 5" Fascia Metal Starter Clip w/ Drip Edge Starter Clip w/ Drip Edge (Eave) Flashing 6'6" length 6'6" length 6'6" length 3.5" - 3.5 lbs / piece 2.58 lbs / piece 120 pcs / 310 lbs / 1/2 pallet 2.58 lbs / piece 120 pcs / 310 lbs / 1/2 pallet 300 pcs / 657lbs / pallet 5" - 3.11 lbs / piece 240 pcs / 620 lbs / pallet 240 pcs / 620 lbs / pallet 300 pcs / 933 lbs / pallet Short Course Clip - 6'6" length Short Course Clip - 6'6" length use batten 2.04 lbs / piece 2.04 lbs / piece DECRA Channel -DECRA Channel -Side Flashing - 6'6" length 6'6" length 6'6" length 2.27 lbs / piece 2.95 lbs/piece 2.95 lbs/piece 150 pcs / pallet 150 pcs / pallet 443 lbs / pallet 150 pcs / pallet 443 lbs / pallet 340 lbs / pallet (Side Flashing available) (Side Flashing available) Shingle/XD Underpan Shingle/XD Underpan Shake Underpan 1.8 lbs / piece 25 / bdl, 2 bdl / pallet 3.3 lbs / piece 25 / bdl, 2 bdl / pallet 3.3 lbs / piece 25 / bdl, 2 bdl / pallet 24-3/4" x 30" 165 lbs / pallet 24-3/4" x 30" 14-5/8" x 24" 165 lbs / pallet 90 lbs / pallet XD Valley & Cap -XD Valley & Cap -'W' Valley 6'6" Length for both 11.15 lbs & 2.46 lbs / piece Valley 40 pcs / pallet / 446 lbs 6'6" Length for both (brown paint) 11.15 lbs & 2.46 lbs / piece Valley 40 pcs / pallet / 446 lbs "U' Valley Cap 300 pcs / pallet / 738 lbs Cap 300 pcs / pallet / 738 lbs (stone coated) XD Rake/Gable Channel -XD Rake/Gable Channel -6'6" length 6'6" length 2.79 lbs / piece 3.84 lbs piece Use Shake Hip & Ridge 120 / pallet 120 / pallet 461 lbs / pallet



Classic Cobblestone, Midnight Eclipse, Natural Slate, Old Hickory, Woodland Green

335 lbs / pallet

150 lbs / square (100 sq. ft.)

Touch-Up Kit

(coordinate with panel color) 5.53 lbs / each bag of stone chip & tube of sealant (touch up pipe/vent penetrations, transitions & panels)

5 lb bag of stone chip available separately



Antique Chestnut, Pinnacle Grey, Midnight Eclipse,

Woodland Green

150 lbs / square (100 sq. ft.)

Fasteners (hidden) **Corrosion Resistant Screws** #10 Hex (1/4" head) x 1-1/2" long 2000 pcs / bag 16.65 lbs / box



Charcoal, Chestnut, Granite Grey, Shadowood, Weathered Timber, Woodland Green**

150 lbs / square (100 sq. ft.)

Fasteners (exposed) **Color Coordinated Screws** #10 Hex (1/4" head) x 1-1/2" long 500 pcs / bag (4 bags / box) 16.70 lbs / box

DECRA ADDITIONAL APPLICATIONS

Like wood shakes but not the fire risk or insurance bill? How about transforming the appearance of a home to a clay tile without the weight and high costs? The DECRA profiles offer solid 24 hour protection from the elements with the added energy efficiency benefits. Building owners and homeowners alike who desire a metal roof without the look of metal have a proven roof solution with DECRA Metal Roofing.















DECRA RESOURCES

Visit Us Online at DECRA.COM

Visit the DECRA Knowledge Base for Access to Professional Resources DECRA.COM/PROFESSIONALS



Professional Resources Available at the DECRA Knowledge Base





✓ Technical Drawings in PDF, JPG and CAD file formats







Evaluations & Testing

- ✓ See latest list and report links for IRC & IBC Codes, Florida Building Code, LA City, Miami-Dade County and Canadian Building Code at www.DECRA.com/ technical/product-evaluations
- ✓ Texas Department of Insurance Report RC-281
- Fire: UL 790 (ASTM E108 A,B&C) Class A Pass
- ✓ Hail: UL 2218 Class 4

- **✓** Wind Uplift: UL 1897
- ✓ Plant: ISO 9001: 2015; ISO 14001: 2015; ISO 45001: 2018
- ✓ Plant: ISO 9001: 2015; ISO 14001: 2015; ISO 45001: 2018
- ✓ National Building Code of Canada

CCMC Evaluation Report
EVALUATION #13551-R (direct-to-deck)

CCMC Evaluation Report #10241-R (on battens)

DECRA COLOR BLENDS

Villa Tile Color Blend Panels



AMALFI SAND



CAPRI CLAY



POMPEII ASH



RUSTICO CLAY



TUSCAN SUN*



VENETIAN GOLD



WOODLAND GREEN** Extended Lead Time: 6-8 weeks



CHARCOAL

Tile and Shake Color Blend Panels



CHARCOAL



CHESTNUT





GRANITE GREY



SHADOWOOD



TERRACOTTA (Tile Only)



TUSCAN SUN* (Tile Only)



WEATHERED TIMBER



WOODLAND GREEN** Extended Lead Time: 6-8 weeks

Shake XD Color Blend Panels



ANTIQUE CHESTNUT



MIDNIGHT ECLIPSE



PINNACLE GREY



Shingle XD Color Blend Panels



CLASSIC COBBLESTONE



MIDNIGHT ECLIPSE



NATURAL SLATE



OLD HICKORY



WOODLAND GREEN



^{*} A CRRC-approved cool color version is available (Tuscan Sun CC) | **Made to order; Extended Lead Time 6-8 weeks
Due to lighting and the printing process, roof colors and color swatches may vary from the actual product. For optimum visual appearance, install with a random stagger of the panels.