



Construction Toward Innovation

ROOFING SYSTEM

The Prestige of Your Home



Construction Toward Innovation

**DESIGNED BY CTK IN KOREA
MANUFACTURED BY CTI IN INDONESIA**



PT. BITUTEK

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COMPANY INFORMATION

CERTIFICATION

ASPHALT ROOFING SHINGLE

UNDERLAYMENT

ASPHALT SHINGLE TECHNOLOGY



COMPANY INFORMATION

We are committed to delivering quality products and services to customers under our brand motto "Construction Toward Innovation". CTI is a pioneer of manufacturing asphalt shingles in Indonesia established in January 2012 under the registered name of PT. Bitutek. In March 31, 2014, CTI was merged with CT Korea as an affiliated corporation and soon added waterproofing membranes into a product portfolio.

CT Korea is one of the leading companies in the building material industry, having a nationwide distribution network in Korea. CT Korea imports various building materials directly from multinational business partners around the world. Such as, asphalt shingles roofing tile from CertainTeed USA, clay roofing tile from Terreal France, clay bricks from Austral Bricks in Australia and insulation from Saint-Gobain Korea. The synergy of CTI's manufacturing platform and CT Korea's distribution network is expected to drive a great contribution to the regional building material industry in Indonesia and neighboring countries nearby.

PRODUCT INFORMATION

CTI produces asphalt shingles with fine colored granules supplied from GROUPE CARLAC, having a parent company in France. High quality granules provide the excellent protection for the asphalt compounds from UV attacks which is very essential for long-term performance of the product. CTI maintains a wide color range of granules and has capability of offering a broad range of color selections and customized colors.

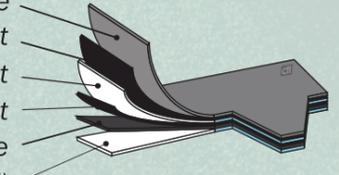
CTI produces the asphalt compound using the optimal amount of elastomers which provide softness in the cold weather and toughness in the hot weather. CTI also uses a high standard of homogenized compounds to achieve long-term durability.

CTI produces self-adhesive shingles using high performance adhesive asphalt on the back side of the shingle covered with protective film. The advantage of self-adhesive shingles is fast and easy installation as well as wind blow-off stability from the beginning of installation.

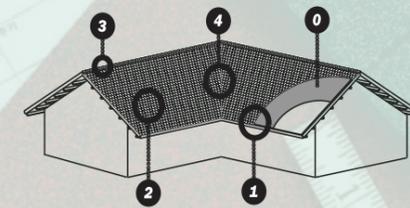


COMPOSITION INFORMATION

- Water Repellent Ceramic Granule
- SBS Elastomer Modified Asphalt
- Glass Fiber Felt Reinforcement
- SBS Elastomer Modified Asphalt
- Heat-activated Adhesive
- Release Film (HDPE)



CTI ROOFING SYSTEM



- 0 UNDERLAYMENT : UnderMaster™
- 1 STARTER
- 2 INSTALL SHINGLES
- 3 HIP & RIDGE
- 4 VALLEY

CERTIFICATION



ASTM CT3, CT5, CT6
ASTM D228 ASTM D3018
ASTM D3161 ASTM D3462
ASTM D1970 ASTM D5602
ASTM E108



ASTM CTR
ASTM D1970 ASTM D5602
ASTM D108



ASTM UDM ST
ASTM D1970 ASTM D5602



TKDN ALL PRODUCT



CE MARK
EN 544



VTT QUALITY TEST



VTT FIRE TEST



SERTIFIKASI
RUSSIAN HYGIENIC



SERTIFIKASI
RUSSIAN FIRE SAFETY



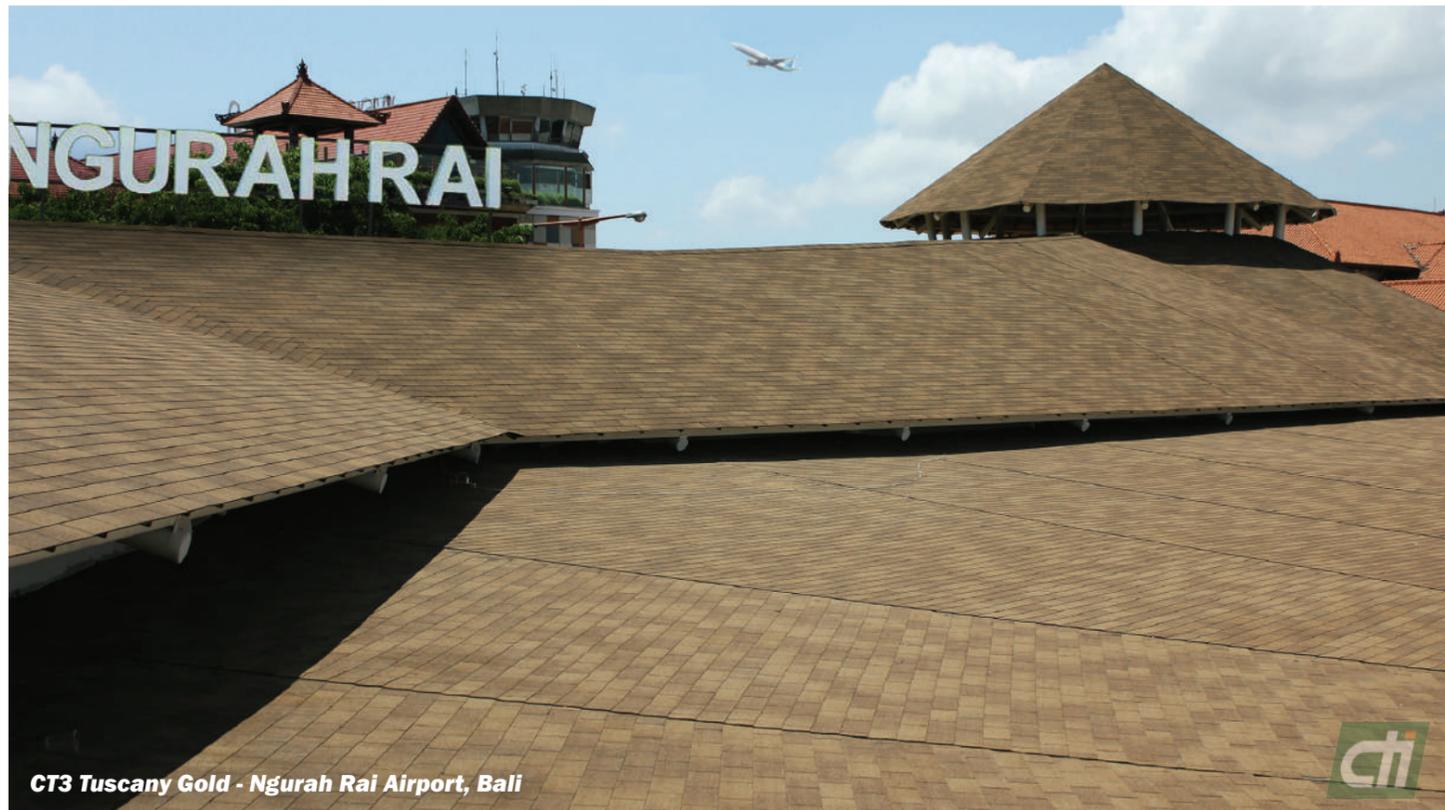
SERTIFIKASI
KTC KOREA
KS F 4750:2002 KS F 4917:2007



CLASSIC 3-TAB SHINGLE



CT3™ shingles are the most common and the most popular. They tend to be the easiest to install and come in a wide variety of colors. 3-Tab design is the optimum choice for performance and value making your home simple and enjoyable.



CT3 Tuscany Gold - Ngurah Rai Airport, Bali

GRADATION COLOR



Midnight Black (MIB)



Charcoal Grey (CHG)



Coffee Brown (COB)



Sunset Red (SUR)



Forest Green (FOG)



Tuscany Gold (TUG)



Custom Color

SOLID COLOR



Black (BK)



Dark Grey (DG)



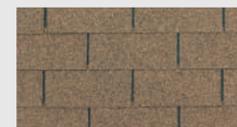
Dark Brown (DB)



Red (RD)



Green (GN)



Gold (GD)



Custom Color



CT3 Oak Brown - Office Tower, Jakarta



CT3 Charcoal Grey - Cipete, Jakarta



CT3 Midnight Black - Rancamaya, Bogor

SPECIFICATION

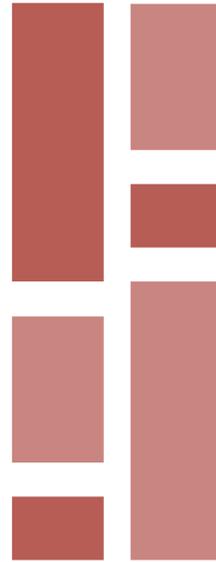
PRODUCT DESCRIPTION

- ... SBS ELASTOMER MODIFIED ASPHALT
- ... SELF-ADHESIVE TYPE WITH HDPE FILM
- ... COLORED GRANULES SURFACE
- ... GLASS FIBRE FELT REINFORCED
- ... PACKED WITH THERMAL SHRINKAGE FILM

PRODUCT SPECIFICATION

Nominal size	1,000 mm x 333 mm
Piece / bundle	21 Pieces
Roof Area / bundle	3 m ²





EUROPEAN IRREGULAR SHAPE SHINGLE



CT5™ shingles are very popular type in Europe, very useful for both high and low slope, looking laminated shingle after installation.



AVAILABLE COLOR



Black (BK)



Dark Grey (DG)



Dark Brown (DB)



Red (RD)



Green (GN)



Gold (GD)



Custom Color



SPECIFICATION

PRODUCT DESCRIPTION

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- ... SELF-ADHESIVE TYPE WITH HDPE FILM
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- ... GLASS FIBRE FELT REINFORCED
- ... PACKED WITH THERMAL SHRINKAGE FILM

PRODUCT SPECIFICATION

Nominal size	1,000mm x 317.5 mm
Piece / bundle	22 Pieces
Roof Area / 1 bundle	3 m ²



CT5™ shingle has self-adhesive area on the back side. So it is relatively stronger against heavy rain and strong wind than conventional shingle.





CT6™ SHINGLE

HEXAGONAL ASPHALT ROOFING SHINGLE



HEXAGONAL EUROPEAN STYLE SHINGLE



CT6™ shingles are modern and architecturally flexible with popular hexagonal shape and useful for both high and low slope.



CT6 Gold - Tropical Temptation Beach Club Pantai Melasti, Bali



AVAILABLE COLOR



Black (BK)



Dark Grey (DG)



Dark Brown (DB)



Red (RD)



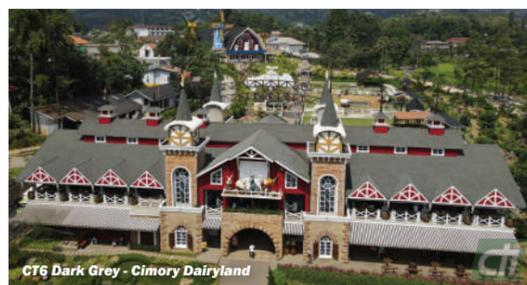
Green (GN)



Gold (GD)



Custom Color



CT6 Dark Grey - Cimory Dairyland



CT6 Dark Grey - Hotel The Nest, Bali



CT6 Black - Rancamaya, Bogor



SPECIFICATION

PRODUCT DESCRIPTION

- ... SBS ELASTOMER MODIFIED ASPHALT
- ... SELF-ADHESIVE TYPE WITH HDPE FILM
- ... COLORED GRANULES SURFACE
- ... GLASS FIBRE FELT REINFORCED
- ... PACKED WITH THERMAL SHRINKAGE FILM

PRODUCT SPECIFICATION

Nominal size	1,000mm x 317.5 mm
Piece / bundle	22 Pieces
Roof Area / 1 bundle	3 m ²



CT6™ shingle has self-adhesive area on the back side. So it is relatively stronger against heavy rain and strong wind than conventional shingle.





UnderMaster™



CERAMIC GRANULE
SELF SEALING MEMBRANE
SELF ADHESIVE ELASTOMERIC

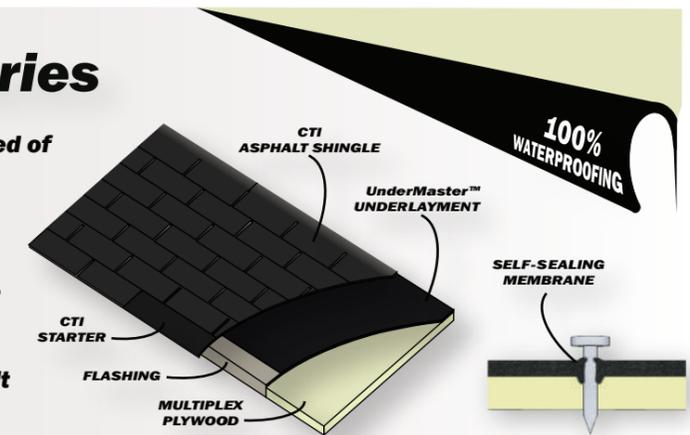
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CTI Underlayment - UDM Series

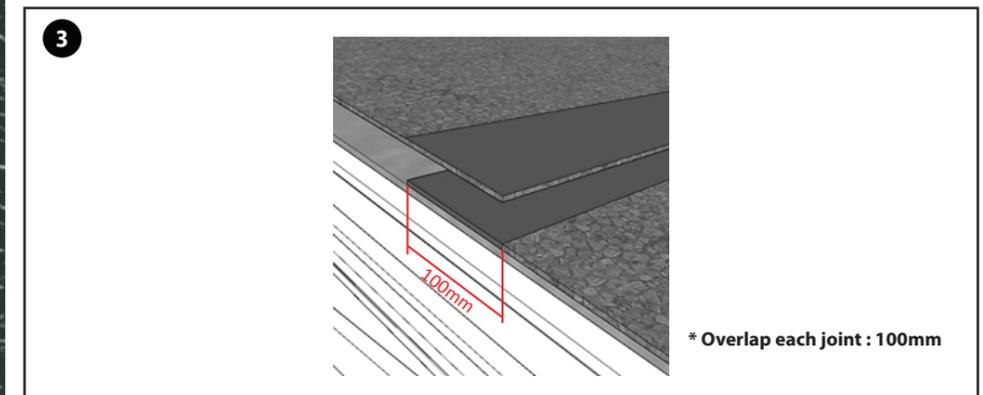
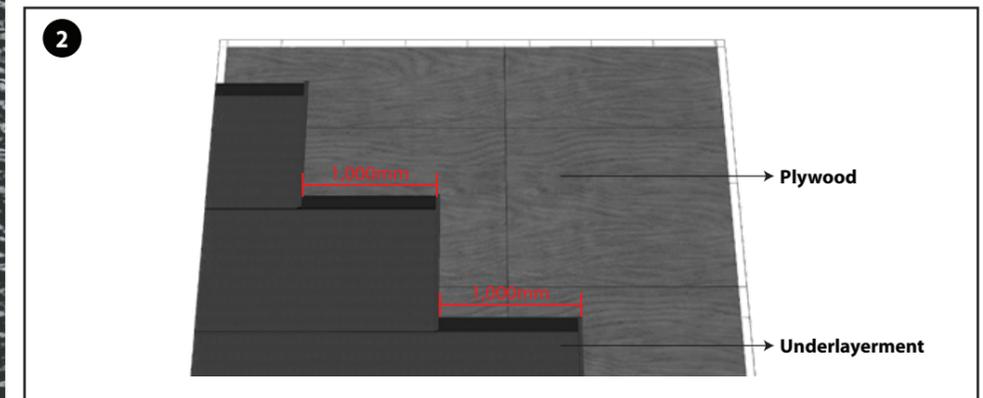
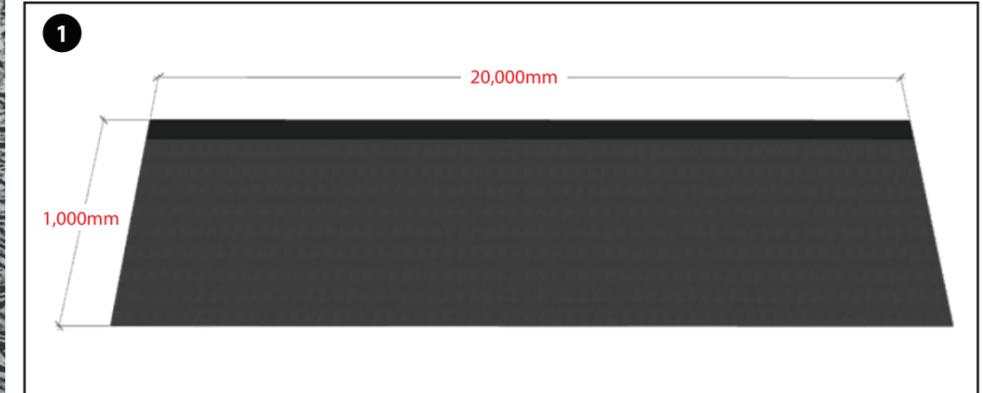
CTI Undermaster series are self-adhesive membrane composed of elastomeric bitumen with reinforced core material. The membrane remain stable despite variation in external temperature.

It has an easy-to-remove HDPE release film (Split-back) on the self-adhesive side and PET release film on the self-adhesive overlapping side.

CTI Undermaster series are designed to be used under asphalt shingles.



INSTALLATION GUIDE



UnderMaster™

UDM

SPECIFICATION

PRODUCT CODE

UDM ST (FG)
 UDM ST (PE)

DIMENSIONS

1 X 10 M / 1 X 20 M

USAGE

> 15°

SURFACE COVERAGE

10 M² / 20 M²

WEIGHT PER ROL

16 KG / 32 KG

SURFACE

WATER REPELLENT GRANULE /
 POLYETHYLENE (TORCH ON)

ADHESIVE FORCE

NORMAL

TEAR RESISTANCE

VERY STRONG

OVERLAP

10 CM TOP SIDE