

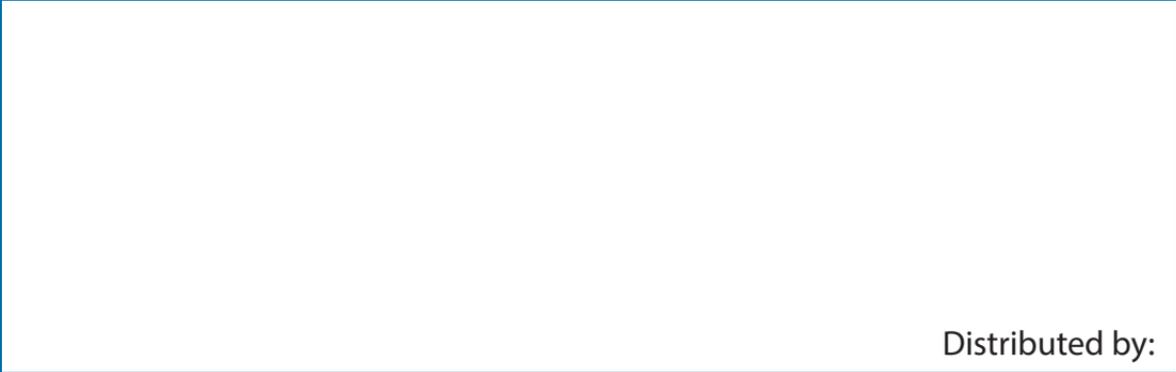
***FT SYNTHETICS***<sup>®</sup>

*We Make Roofing Safer*



# **FT SYNTHETICS®**

*We Make Roofing Safer*



Distributed by:



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# ABOUT FT SYNTHETICS



FT Synthetics is a fully integrated manufacturer. This allows for complete control over cost, delivery, and consistency of quality. FT Synthetics serves a global market for synthetic roofing underlayments and associated construction products. Our founders have over three decades of experience manufacturing and distributing roofing products with a record of delivering exceptional materials and efficient customer service. Thorough research and innovative product development has allowed for a unique and industry leading product range which is revolutionizing the industry.

FT Synthetics consistently provides high quality products using advanced equipment for non-wovens manufacturing, weaving, coating, lamination and printing. Our commitment to quality is ensured using product and process certification via Intertek as our third party auditor.

**Intertek**

# GRIPSPOT™ TECHNOLOGY



GRIPSPOT™ Technology provides a superior slip resistant walking surface for the ultimate in work place safety. The raised fibrous grip spots provide both traction as well as flow channels for shedding water and allowing faster dry times. GRIPSPOT™ slip resistant technology works under all conditions; wet, dusty, hot, cold, frosty, or dry.





HYDRA roofing underlayment offers durability, high permeability (30 Perms), and a unique HYDRY backside absorption technology that quickly absorbs water from the roof deck at a rate 10 times traditional #30 asphalt felt. This combination of high perm and absorption technology helps prevent mold and mildew by allowing trapped moisture to escape the attic space or roof deck.



\*Patent Pending



- ▶ GRIPSPOT™ slip resistant walking surface - safer, reduces fatigue
- ▶ HYDRA lays flat, does not wrinkle or curl, and offers low temperature flexibility
- ▶ Ideal for use in breathable roof systems – metal, tile, and cedar shingles
- ▶ Durability - 6x stronger and 5x lighter than traditional #30 felt
- ▶ 6 month UV Protection, Limited Lifetime Warranty



Rolls & Pallets Specifications	
Width x length per roll	48" x 125 ft.
Sq. ft. per roll	500 sq. ft.
Weight per roll	20 lbs / 9.0 kg
Rolls per pallet (48" x 48")	36
Rolls per truckload - 40 pallets	1440

**FASTER DRYING  
WITH ABSORBENT**



Hydra Meets or exceeds the following code standards:  
 ASTM D226-97, ASTM D4869, CAN/CSA A123.3, FBC #FL20853, CAN/CSA  
 A220.1, ASTM E108, CCRR 1028, AC188, TDI, RCABC RoofStar.

Specification & Standard	HYDRA	#30 Felt
Material composition	Polyolefin	Asphalt
UV resistance	6 Months	None
ASTM D226 types I & II	Meets & Exceeds	Meets
Water shower exposure ASTM D4869	Pass	Pass
Permeability ASTM E96-B	30 Perms	5 Perms
Permeability ASTM E96-BW	150 Perms	NA
Deck-side water absorbency in 10 min	35 g/m <sup>2</sup>	NA
Hydrostatic head AATCC 127	700 mm	NA
Temperature range	-40°F to 240°F	NA
Nominal thickness ASTM D1777	30 mils / 0.76 mm	60 mils / 1.52 mm
Enhanced slip resistant surface	GRIPSPOT™	Basic
Class A fire ASTM E108	Pass	NA
Limited warranty	Lifetime	None

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# COBALT™ Ultra

COBALT Ultra is an extreme weather conditions self-adhering peel and stick roofing underlayment designed for sloped roof applications to help protect against water infiltration from ice dams and wind driven rain. It features a high strength asphalt free synthetic adhesive peel and stick backing. Cobalt Ultra is designed for use under; asphalt shingles, concrete and clay tiles, shakes, synthetic shingles, primed cedar shakes, and all types of metal roofing including high temperature applications such as copper, zinc, and Cor-Ten® roofing panels located in high altitude and southern regions.



- ▶ GRIPSPOT™ slip resistant walking surface - safer, reduces fatigue
- ▶ High temperature thermal stability to **300°F (149°C)**
- ▶ Use for cold weather repairs or applications:  
Low install adhesion below freezing **10°F (-12°C)** and rising
- ▶ 180 day UV resistance, Limited Lifetime Warranty
- ▶ Nail Sealable - meets and exceeds ASTM D1970
- ▶ Easy release silicone-treated split-release liner

# COBALT ULTRA

Specification & Standard	Typical Values
Length / width per roll	67 ft (20.4m) / 36 in (91.4 cm)
Weight / sq. ft. per roll	28 lbs (13 kg) / 200 sq.ft.
Rolls per pallet (42" x 42")	25
Rolls per truckload - 40 pallets	1000
Min installation temperature	10° F (-12° C)
UV resistance	180 days
Walking surface	GRIPSPOT™ slip resistant
Nail sealability - ASTM D1970	Pass
Permeability - ASTM E96	<0.05 Perms
Minimum thickness - ASTM D5147	40 mils (1.0 mm)
Tensile strength MD / CD - ASTM D1970	95 lbs/in / 90 lbs/in
Tear resistance MD / CD - ASTM D1970	70 lbs / 60 lbs
Low temperature flexibility - ICC AC48	Pass
Elongation - ASTM D1970	>11%
Adhesion to plywood - ASTM D903	6 lbs/in (1050 N/m) @ 74° F (23° C)
Adhesion to Galv. Metal - ASTM D903	7.5 lbs/in (1315 N/m) @ 74° F (23° C)
Thermal stability - ASTM D1970	300° F (149° C)
Limited warranty	Lifetime

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Cobalt Ultra Meets or exceeds the following code standards:  
 ASTM D226-97, ASTM D4869, CAN/CSA A123.3, CAN/CSA A220.1, ASTM D1970, FBC  
 #FL31710, CCRR-0356, AC-48 acceptance criteria for self adhered underlayments  
 used as ice and water barriers.





# PLATINUM HT-SA

## FT SYNTHETICS

PLATINUM HTSA is a high temperature, self-adhering, peel and stick roofing underlayment. It is designed for sloped roof applications to help protect against water infiltration from ice dams and wind driven rain. It combines the GRIPSPOT™ patented slip resistant walking surface with a high strength modified rubberized asphalt peel and stick backing. HTSA offers premium protection against wind driven rain, snow, ice dams, and water infiltration.



- ▶ GRIPSPOT™ slip resistant walking surface - safer, reduces fatigue
- ▶ Thermal stability to 240°F (115°C)
- ▶ Install adhesion at 40°F (4.4 °C) and rising
- ▶ 180 day UV resistance, Limited Lifetime Warranty
- ▶ Nail Sealable - meets and exceeds ASTM D1970
- ▶ Easy release silicone-treated split-release liner

## PLATINUM HTSA

Specification & Standard	Typical Values
Length / width per roll	67 ft (20.4m) / 36 in (91.4 cm)
Weight / sq. ft. per roll	40 lbs (18 kg) / 200 sq.ft.
Rolls per pallet (42" x 42")	25
Rolls per truckload - 40 pallets	1000
Installation temperature	40° F (4.4° C) and rising
UV resistance	180 days
Walking surface	GRIPSPOT™ slip resistant
Nail sealability - ASTM D1970	Pass
Permeability - ASTM E96	<0.035 Perms
Minimum thickness - ASTM D1970	41 mils (1.04 mm)
Tensile strength MD / CD - ASTM D1970	128 lbs (58 kg) / 107 lbs (49 kg)
Tear resistance MD / CD - ASTM D1970	70 lbs (32 kg) / 60 lbs (27 kg)
Low temperature flexibility - ASTM D1970	Pass
Adhesion to plywood - ASTM D930	4 lbs/in (0.9kN/m)
Thermal stability - ASTM D1970	240° F (155° C)
Release liner	Silicone treated split-release liner
Limited warranty	Lifetime

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Platinum HTSA Meets or exceeds the following code standards:  
 ASTM D226-97, ASTM D4869, CAN/CSA A123.3, FBC #FL23090, CAN/CSA A220.1,  
 ASTM D1970, ASTM E108, TDI, RCABC RoofStar.



# PLATINUM

*FT SYNTHETICS*

PLATINUM is an industry leading premium quality steep slope synthetic roofing underlayment that offers; extreme durability, higher value for your dollar, and unmatched safety for your crew with its superior traction GRIPSPOT™ walking surface. PLATINUM does not shrink, lays flat, and stays put due to a high quality non-slip backside coating. PLATINUM underlayment is designed for use under; metal, tile, slate, cement, shake or shingle primary roofing materials. It also meets and exceeds all required industry standards.

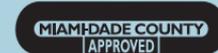


- ▶ GRIPSPOT™ slip resistant walking surface - safer, reduces fatigue
- ▶ Outstanding water holdout resistance - 20 mils thickness
- ▶ 180 day UV resistance, Limited Lifetime Warranty
- ▶ 100% recyclable polyolefin construction
- ▶ Available printed with your custom logo

## FT SYNTHETICS PLATINUM

Specification & Standard	PLATINUM	#30 Felt
Length / width per roll	48" x 250ft	36" x 72ft
Weight / sq. ft. per roll	35 lbs (16 kg) / 1000 sq. ft.	45lbs/ 216 sq.ft.
Rolls per pallet (48" x 48")	36	25
Rolls per truckload - 32 pallets	1152	1000
Rolls required per 1,000 Sq feet	1	5
100% recyclable	Yes	No
Material composition	Polyolefin	Asphalt
UV resistance	180 days	None
Breaking strength ASTM D 5034 MD / CD	164 lbs (74 kg) / 152 lbs (69 kg)	NA
Tear strength ASTM D4533 MD / CD	40 lbs (18 kg) / 37 lbs (17 kg)	NA
Water shower exposure ASTM D 4869	Pass	NA
Permeability ASTM E96	<0.05 Perms	1.75 Perms
Mullen Burst	130 psi	NA
Nominal thickness ASTM D1777	20 mils	60 mils
Temperature range	-40° F to 240° F	
Enhanced slip resistant surface	Excellent	Basic
Limited warranty	Lifetime	None

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NOA 16-0510.30

FT Synthetics Platinum Meets or exceeds the following code standards:

ASTM D226-97, ASTM D4869, CAN/CSA A123.3, FBC #FL20853, CAN/CSA A220.1, ASTM E108, CCRR 1028, AC 188, TDI, RCABC RoofStar.



# GOLD

FT SYNTHETICS

FT GOLD is a steep slope roofing underlayment that is high quality, cost effective, and a reliable #30 felt replacement product. It is easy to carry, and has 5X more coverage per roll as compared to felt. GOLD has a wrinkle-free surface that lays flat, and stays put due to a high quality non-slip backside coating. Designed for use under; metal, tile, slate, cement and shake or shingle roofing materials.



- ▶ GRIPSPOT™ slip resistant walking surface - safer, reduces fatigue
- ▶ Great water holdout resistance - 16 mils thickness
- ▶ 180 day UV resistance, Limited Lifetime Warranty
- ▶ 100% recyclable polyolefin construction
- ▶ Available printed with your custom logo

## FT SYNTHETICS GOLD

Specification & Standard	GOLD	#30 Felt
Length / width per roll	48" x 250ft	36" x 72ft
Weight / sq. ft. per roll	32 lbs (15 kg) / 1000 sq. ft.	45lbs/ 216 sq.ft.
Rolls per pallet (48" x 48")	36	25
Rolls per truckload - 36 pallets	1296	1000
Rolls required per 1,000 Sq feet	1	5
100% recyclable	Yes	No
Material composition	Polyolefin	Asphalt
UV resistance	180 days	None
Breaking strength ASTM D 5034 MD / CD	120 lbs (54 kg) / 110 lbs (50 kg)	NA
Tear strength ASTM D4533 MD / CD	35 lbs (16 kg) / 32 lbs (15 kg)	NA
Water shower exposure ASTM D 4869	Pass	NA
Permeability ASTM E96	<0.05 Perms	1.75 Perms
Mullen Burst	125 psi	NA
Nominal thickness ASTM D1777	16 mils	60 mils
Temperature range	-40° F to 240° F	
Enhanced slip resistant surface	Excellent	Basic
Limited warranty	Lifetime	None

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FT Synthetics Gold Meets or exceeds the following code standards:  
 ASTM D226-97, ASTM D4869, CAN/CSA A123.3, FBC #FL20853, CAN/CSA A220.1,  
 ASTM E108, CCR 1028, AC 188, TDI, RCABC RoofStar.



# SILVER

FT SYNTHETICS

FT SILVER is a contractor grade steep slope roofing underlayment, it is a cost effective, and reliable #30 felt replacement product. It is easy to manage and install, and has 5X more coverage per roll as compared to #30 felt. SILVER offers a wrinkle-free surface that lays flat, and stays put with its underside non-slip coating. It is designed for use under; wood, asphalt, and synthetic shingles, and residential metal roofing. SILVER meets and exceeds all required industry standards.



- ▶ GRIPSPOT™ slip resistant walking surface - safer, reduces fatigue
- ▶ Water resistant - 12 mils thickness
- ▶ 90 day UV resistance, 30 years limited warranty
- ▶ 100% recyclable polyolefin construction
- ▶ Available printed with your custom logo

## FT SYNTHETICS SILVER

Specification & Standard	SILVER	#30 Felt
Length / width per roll	48" x 250ft	36" x 72ft
Weight / sq. ft. per roll	22 lbs (10 kg) / 1000 sq. ft.	45lbs/ 216 sq.ft.
Rolls per pallet (44" x 44")	49	25
Rolls per truckload - 36 pallets	1764	1000
Rolls required per 1,000 Sq feet	1	5
100% recyclable	Yes	No
Material composition	Polyolefin	Asphalt
UV resistance	90 days	None
Breaking strength ASTM D 5034 MD / CD	107 lbs (49 kg) / 96 lbs (44 kg)	NA
Tear strength ASTM D4533 MD / CD	25 lbs (11 kg) / 23 lbs (10 kg)	NA
Water shower exposure ASTM D 4869	Pass	NA
Permeability ASTM E96	<0.05 Perms	1.75 Perms
Mullen Burst	113 psi	NA
Nominal thickness ASTM D1777	12 mils	60 mils
Temperature range	-40° F to 240° F	
Enhanced slip resistant surface	Excellent	Basic
Limited warranty	30 years	None

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FT Synthetics Silver Meets or exceeds the following code standards:  
 ASTM D226-97, ASTM D4869, CAN/CSA A123.3, FBC #FL20853, CAN/CSA A220.1,  
 ASTM E108, CCRR 1028, AC 188, TDI, RCABC RoofStar.



# PRO-20

FT SYNTHETICS

PRO20 is builder grade steep slope roofing underlayment that is a cost effective and a reliable #15 felt replacement product. It is easy to manage and install, and has 2.5X more coverage per roll as compared to #15 felt. PRO20 provides a wrinkle-free surface that lays flat, and stays put with its underside non-slip coating. It can be used under; wood, asphalt, and synthetic shingles, and residential metal roofing. PRO20 meets and exceeds all required industry standards.



- ▶ Fiber grip non-woven slip resistant walking surface
- ▶ Water resistant - 10 mils thickness
- ▶ 90 day UV resistance, 20 years limited warranty
- ▶ 100% recyclable polyolefin construction
- ▶ Available printed with your custom logo

## FT SYNTHETICS PRO20

Specification & Standard	PRO20	#15 Felt
Length / width per roll	42" x 286ft	36" x 144ft
Weight / sq. ft. per roll	21 lbs (9 kg) / 1000 sq. ft.	45lbs / 432 sq. ft.
Rolls per pallet (42" x 42")	49	25
Rolls per truckload - 40 pallets	1960	1000
Rolls required per 1,000 Sq feet	1	2.5
100% recyclable	Yes	No
Material composition	Polyolefin	Asphalt
UV resistance	90 days	None
Breaking strength ASTM D 5034 MD / CD	101 lb (45 kg) / 96 lb (44 kg)	NA
Tear strength ASTM D4533 MD / CD	25 lb (11 kg) / 23 lb (10 kg)	NA
Water shower exposure ASTM D 4869	Pass	NA
Permeability ASTM E96	<0.05 Perms	6 Perms
Mullen Burst	102 psi	NA
Nominal thickness ASTM D1777	10 mils	21 mils
Temperature range	-40° F to 240° F	
Enhanced slip resistant surface	Excellent	Basic
Limited warranty	20 years	None

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FT Synthetics PRO20 Meets or exceeds the following code standards:  
 ASTM D226-97, ASTM D4869, CAN/CSA A123.3, FBC #FL22692, CAN/CSA A220.1,  
 ASTM E108, CCRR 1028, AC 188, TDI.

# ESTIMATED COST FOR THE HOMEOWNER



**20 Square Roof**

#30 Felt: \_\_\_\_\_  
PRO-20: \_\_\_\_\_  
FT SILVER: \_\_\_\_\_  
FT GOLD: \_\_\_\_\_  
FT PLATINUM: \_\_\_\_\_  
HYDRA: \_\_\_\_\_  
PLATINUM HTSA: \_\_\_\_\_  
COBALT ULTRA: \_\_\_\_\_



**40 Square Roof**

#30 Felt: \_\_\_\_\_  
PRO-20: \_\_\_\_\_  
FT SILVER: \_\_\_\_\_  
FT GOLD: \_\_\_\_\_  
FT PLATINUM: \_\_\_\_\_  
HYDRA: \_\_\_\_\_  
PLATINUM HTSA: \_\_\_\_\_  
COBALT ULTRA: \_\_\_\_\_



**FT SYNTHETICS®**  
*We Make Roofing Safer*

## FT Synthetics Product Selection Guide

Application / For use under	Cobalt Ultra	Platinum HTSA	HYDRA	FT Platinum	FT Gold	FT Silver
Asphalt and synthetic shingles, primed cedar shakes	*****	****	*****	***	**	*
Concrete and clay tiles	*****	****	***	**	*	○
Cedar shakes - raw/uncoated	○	○	*****	○	○	○
Architectural metal roofs	*****	*****	*****	***	**	○
Copper, Zinc and Cor-Ten® metal roofing	*****	****	****	***	○	○
Copper, Zinc and Cor-Ten® metal roofing in desert southwest USA or high altitude climates	*****	○	○	○	○	○
Ice dam protection	****	*****	○	○	○	○
Breathable roof system application - high temperature swings / high moisture environments	○	○	*****	○	○	○

\* Good  
 \*\* Better  
 \*\*\* Best

\*\*\*\* Outstanding  
 \*\*\*\*\* Ultimate  
 ○ Product likely can be used, check local building code but not best choice

[www.ftsyn.com](http://www.ftsyn.com)