



MaxFelt NC is a high-quality synthetic roofing underlayment that offers maximum traction to roofing crews, as well as proven protection against the elements.

TECHNICAL DATA & PERFORMANCE COMPARISON

PHYSICAL PROPERTIES	TEST METHOD	NO. 15 FELT	NO. 30 FELT	MAXFELT NC
Grab Tensile Strength MD (lbs)	ASTM D 751	54	70	72
Grab Tensile Strength CD (lbs)	ASTM D 751	29	38	70
Grab Tensile Elongation (%)	ASTM D 751	4	2	20
Trapezoidal Tear Strength MD (lbs)	ASTM D 4533	2.2	4	28
Trapezoidal Tear Strength CD (lbs)	ASTM D 4533	0.9	2	18
Burst strength (PSI)	ASTM D751	35	62	140
Hydrostatic Head (cm)	AATCC 127	/	/	>250
Water Vapor Transmission (US Perm)	ASTM E 96	>5	>5	<1
Thickness (MIL)	TAPPI 411	21	60	6
Weight Per Square		8.8 lbs	14.8 lbs	1.8 lbs
Roll Width		36"	36"	48"

The testing was conducted in accordance with ASTM Methods.

The physical properties shown above are average values tested on various randomly selected samples and are not intended for use as absolute specifications.

No representation, warranty or guarantee is made as to the Technical Data Sheet's accuracy or completeness.

MaxFelt NC meets ASTM D226 & ASTM D4869 Equivalency & ASTM D8257 Requirements.

When using staples, all MaxFelt NC must be covered immediately.

MaxFelt NC is a secondary weather resistive barrier. It is not intended or should not be used as a primary waterproofing membrane. It is recommended to cover all MaxFelt 15 with the primary roof cladding within 30 days of installation.

It is always wise construction practice to cover up as soon as possible (AC 188 Acceptance Criteria for Roof Underlayments requires UV exposure testing for 210 hours or 10 hours per day for 21 days @ 135-140 degrees F to pass).

Follow all OSHA guidelines when installing MaxFelt NC.

A SIMPLE UNDERSTANDING OF ASTM D226 & ASTM D4869

ASTM is the standard specification and provides certain test methods for Asphalt-Saturated Organic Felt Shingle Underlayment used in roofing and applies to material used as underlayment in steep-slope roof systems. The standard addresses material characteristics and physical property requirements.

CLASSIFICATIONS:

ASTM D226

Type I – Commonly called No. 15 Asphalt Felt

Type II – Commonly called No. 30 Asphalt Felt

CLASSIFICATIONS:

ASTM D4869

Type I I – #13 Underlayment (equivalent to ASTM D226 Type I)

Type IV – #26 Underlayment (equivalent to ASTM D226 Type II)

*Also includes two other types:

Type I – #8 Underlayment

Type III – #20 Underlayment

PHYSICAL PROPERTIES TESTED:

Tear Strength – test in both the machine (MD) and cross direction (CD)

Average Breaking Strength – test in both the machine (MD) and cross direction (CD)

Pliability (10 strips tested shall not crack when bent 90° at a uniform speed over a rounded corner of radius in table for each type)

Loss on Heating at 221° F for 5 hours maximum

Liquid Water Transmission Test

Dimensional Stability (MD and CD from Low Humidity to High Humidity)

REQUIREMENTS:

D226 Type I (No. 15)

Tear Strength lbf/in. (N) – Not Applicable

Breaking Strength lbf/in. – 30 MD/15CD

Pliability (in.) – ½ in. radius

Loss on Heating % – 4%

Liquid Water Transmission – Not Applicable

Dimensional Stability % – Not Applicable

D226 Type II (No. 30)

Tear Strength lbf/in. (N) – Not Applicable

Breaking Strength lbf/in. – 40 MD/20 CD

Pliability (in.) – ¾ in. radius

Loss on Heating % – 4%

Liquid Water Transmission – Not Applicable

Dimensional Stability % – Not Applicable

D4869 Type II (No. 15)

Tear Strength lbf/in. (N) – 0.45 (2.0)

Breaking Strength lbf/in. – 30 MD/15 CD

Pliability (in.) – ½ in. radius

Loss on Heating % – 6%

Liquid Water Transmission – Pass

Dimensional Stability % – 2%

D4869 Type IV (No. 30)

Tear Strength lbf/in. (N) – 0.90 (4.0)

Breaking Strength lbf/in. – 40 MD/20 CD

Pliability (in.) – ¾ in. radius

Loss on Heating % – 6%

Liquid Water Transmission – Pass

Dimensional Stability % – 2%

*MaxFelt NC meets ASTM D226 Type II & ASTM D4869 Type IV Equivalency

*When using staples, MaxFelt must be covered immediately

*See Installation Instructions for roof pitches 2/12 to 4/12





REPORT# CCRR-0340



FBC # FL42142

TDI APPROVED

Features and Benefits

- Advanced, Anti-skid Backside Coating
- Lays Flat for Easy Application
- Impervious to Mold Growth
- Enhanced Spunbond Non-woven Walking Surface
- Fasten with Plastic Cap Nails or Staples*
- Secondary Weather Protection Layer
- Meets or Exceeds Performance criteria for ASTM D226 Types I & II
- Meets or Exceeds Performance criteria for ASTM D4869 Types I, II, III & IV
- Meets or Exceeds Performance criteria for ASTM D8257 Synthetic underlayment
- Fire Classification: Class A ASTM E108
- 100% Recyclable
- 60 Day UV Protection
- Limited 20 Year Warranty
- Price Competitive with Asphalt Saturated Organic 15# Felt
- For use under Shingle Roofs



NC
MAXFELT
 MAXIMUM TRACTION PROVEN SATISFACTION

Get the MAX-imum Protection
maxfelt.com

Our underlayment maximizes efficiency by giving you traction you can rely on and quality you can have a peace of mind about.

MAXFELT NC vs. NO. 15 FELT:

- 5X LIGHTER PER SQUARE
- 27X STRONGER
- INSTALLS UP TO 25% FASTER