



TM



TM



2nd Edition

*A collection of leathers built tough, for a variety of tough jobs.*

ISA

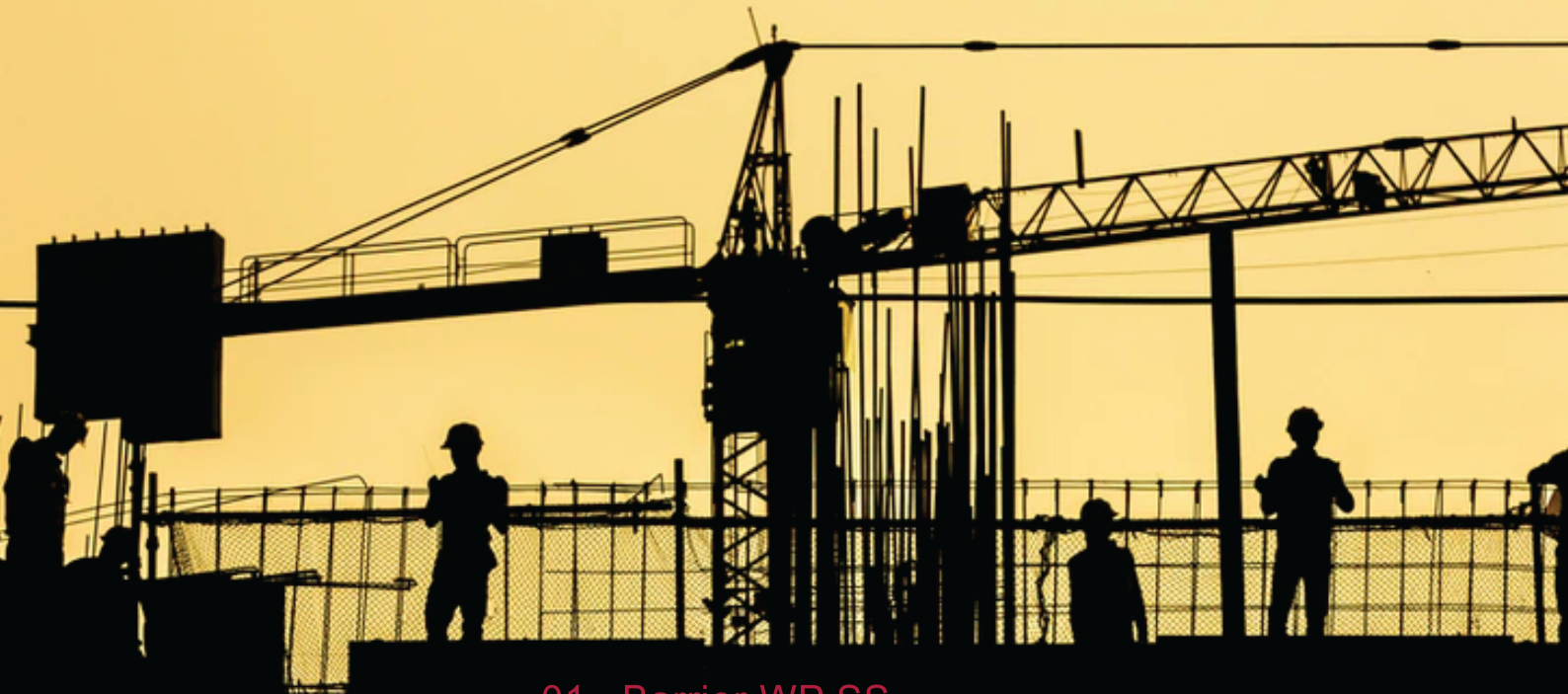
**WORKS**











TM



TM



- 01 Barrier WP SS
- 02 Beeswax WP
- 03 Chill WP
- 04 Commando WP
- 05 Connection WP
- 06 Crisscross WP
- 07 Daytona WP
- 08 Discovery WP SS Washable
- 09 Fischer WP
- 10 Iceberg WP SS
- 11 Krakatoa WP
- 12 Lore WP GT SS
- 13 Manitou WP GT SS
- 14 Muddy River WP
- 15 Overlord WP
- 16 Regiment WP
- 17 Rejuvenate Washable
- 18 Riptide Galloper WP SS
- 19 Sanehorse WP LO
- 20 Snowplow WP SS
- 21 Spotless Soft
- 22 Tailgate WP

FEATURES	 SPR/Barnyard	 Saline Solution	 IR Surface Reflecting	 Fire Resistant	 EN Safety	 Stain Resistant	 GoreTex Approved	 Washable		
TEST METHOD	ISA014-2016-A0	ISA INTERNAL	ISO17502	NFPA-1977	ISO20345:2011 EN	ISA015-2016-A1	ISO14268 Option C	ISO 105 C06 A15		
HOW TO SPECIFY		SS		FR	EN Must be >1.8mm		GT	Washable		
TEST METHOD DESCRIPTION	Samples of leather are exposed to selected chemicals found in harsh environments for 5 days. The effects on the leather grain and finish are assessed after repeated flexing.	Samples of leather are tested against water resistance, using the maeser flex test, with a 3% salt solution for 15,000 cycles. Water absorption rate is assessed. Cleanability by rub fastness test after samples are dry is assessed.	Measure the reflectance spectrum of the leather sample at a specific wavelength (900nm) using a spectrometer.	Samples of shoes are exposed to specific fire sources for a defined time. Combustion of the leather is assessed.	Water vapour permeability, water vapour absorption, pH value, tear strength, water penetration, water absorption (only WP leather) and chromium VI content are determined.	Pre-flexed samples of leather are exposed for 1 hour to selected containments (ketchup, coffee, grease, oil etc). The color change/staining is visually assessed.	A leather sample is used to seal a bottle which is filled with dried silica gel. Air is blown onto the leather for a set amount of time. The weight gained the whole bottle is assessed to evaluate the permeability of the sample.	Samples of leather are washed following the standard conditions (A1S), color change and shrinkage is assessed after drying.		
ARTICLE	SPR Urine	SPR Oleic Acid	Saturated Lime	Cleanability/ Easy to Remove	Reduces Infra Red Heat on the Surface	Fire Resistance	WVP, WVA, pH, Tear Strength, WP, Cr VI	Cleanability/ Easy to Remove	Water Vapor Permeability / Wicking	Color Transfer and Shrinkage
01 Barrier WP SS				●		●				
02 Beeswax WP	●	●	●			●				
03 Chill WP					●	●	●			
04 Commando WP							●		●	
05 Connection WP	●	●				●	●			
06 Crisscross WP	●	●				●	●			
07 Daytona WP	●	●				●				
08 Discovery WP SS Washable				●		●	●			●
09 Fischer WP	●	●				●	●			
10 Iceberg WP SS	●	●	●	●						
11 Krakatoa WP	●	●				●	●			
12 Lore WP GT SS				●		●			●	
13 Manitou WP GT SS	●	●	●	●		●	●		●	
14 Muddy River WP	●	●				●	●			
15 Overlord WP	●	●				●	●			
16 Regiment WP	●	●				●	●			
17 Rejuvenate Washable						●				●
18 Riptide Galloper WP	●	●	●	●		●	●			
19 Sanehorse WP LO	●	●				●	●			
20 Snowplow WP SS	●	●	●	●		●	●			
21 Spotless Soft							●			
22 Tailgate WP		●	●			●	●			



# PFC FREE WATERPROOF LEATHERS

**SINCE 2014**



Per- and Poly-fluorinated chemicals (PFCs) are famous for their function of water and dirt repellency and have been widely used for outdoor products. However, PFCs are known to be toxic, bio-accumulative and persistent in the environment. They are not easily broken down and will disperse over the globe gradually.

Since PFCs are hazardous to human health and the environment, Greenpeace has carried out product testing investigations and the results revealed that Ionic and Volatile PFCs were widely present in many outdoor products.

While ISA strives to produce premium performance leather, the company stresses environmental sustainability and ensures all products are free from PFCs (PFC-Free). This includes all Ionic and Volatile per/poly fluorinated compounds.

ISA LITE® Concept defines a high standard of environmental responsibility in the manufacturing process. Every ISA product has passed strict testing requirements and are all in accordance with the latest regulations and laws globally. Thus, among the 32 kinds of PFCs targeted by Greenpeace, none would be detected in our products.

# ISA LITE INDEX

ARTICLE	 Energy Hours Saved	 Gallons of Water Saved
01 Barrier WP SS	289.49	8.48
02 Beeswax WP	279.02	8.48
03 Chill WP	300.31	8.48
04 Commando WP	313.97	8.48
05 Connection WP	272.72	8.48
06 Crisscross WP	275.07	8.48
07 Daytona WP	267.80	8.58
08 Discovery WP SS Washable	275.57	8.48
09 Fischer WP	262.17	8.58
10 Iceberg WP SS	275.57	8.48
11 Krakatoa WP	258.09	8.58
12 Lore WP GT SS	305.69	8.48
13 Manitou WP GT SS	292.26	8.48
14 Muddy River WP	260.02	8.58
15 Overlord WP	259.00	8.58
16 Regiment WP	303.64	8.48
17 Rejuvenate Washable	296.43	8.22
18 Riptide Galloper WP SS	295.91	8.48
19 Sanehorse WP LO	284.79	8.48
20 Snowplow WP SS	262.02	8.48
21 Spotless Soft	285.75	8.41
22 Tailgate WP	273.48	8.14

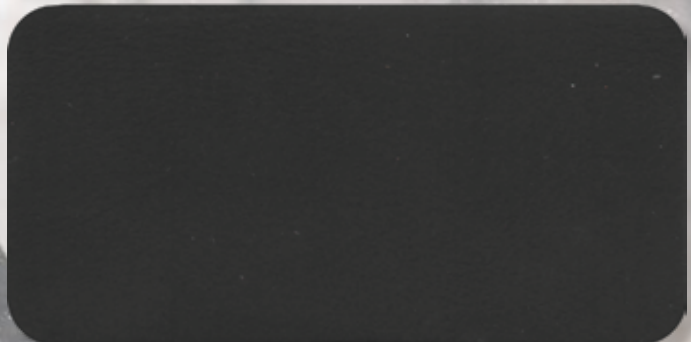
*Calculation is based on per pair of shoes using a 2.5 sqf average.  
 Energy hours is requirement to power a 11W Lamp.  
 LITE Index is based on 1.68mm weight.*

TOGETHER WE SAVE

# 01 BARRIER WP SS



Monk's Robe 18-1048 TPG  
1.82mm



Black  
1.68mm

A soft tempered leather with a subtle, rubberized surface feel. Barrier WP SS is a waterproof, salt resistant leather that will hold up in the toughest conditions.

Weight Range: 1.2-1.8mm  
Oil Content: 10% (+/-2%)  
NWP Version: Barrier\*  
Color Range: Light to Dark  
SATRA: 85%

*\*NWP version will not pass SS*



Waterproof



Saline Solution



Fire Resistant

COMFORTABLE

STRONG

SAFE

DURABLE

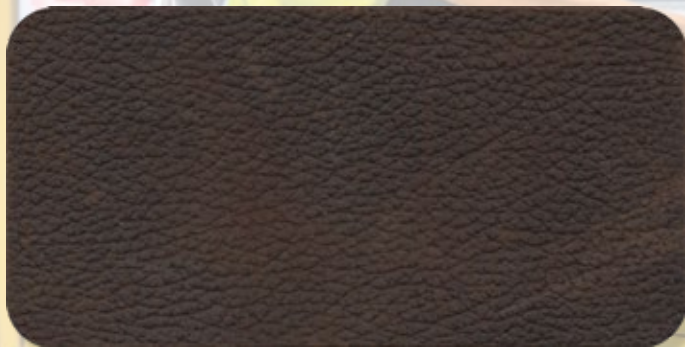
RELIABLE

TOUGH

# 02 BEESWAX WP



Olive Night 19-0515 TPG  
1.68mm



Monk's Robe 18-1048 TPG  
1.68mm

Beeswax WP is a hard-working leather with a soft hand, waxed top and a consistent grain texture.

Weight Range: 1.4-2.0mm  
Oil Content: 18% (+/-2%)  
NWP Version: Beeswax  
Color Range: Med to Dark  
SATRA: 85%



Waterproof



SPR/Barnyard  
+ Saturated Lime



Fire Resistant

LONG LASTING

DEPENDABLE

STURDY

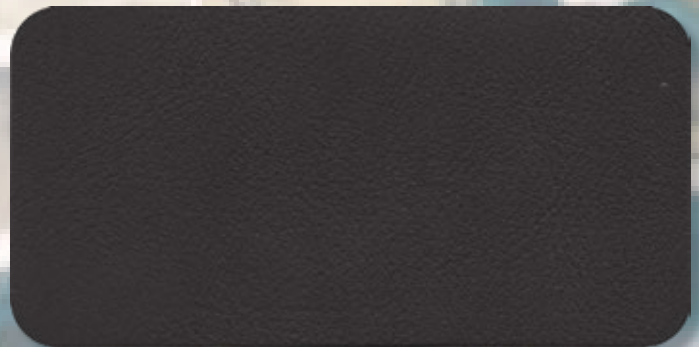
RUGGED

WELL BUILT

# 03 CHILL WP



Black  
1.82mm



Dark Brown  
1.82mm

Our Cool technology refracts UV rays, allowing the surface of the leather to remain cooler. Chill has a clean look and a soft hand.

Weight Range: 1.2-1.8mm  
Oil Content: 10% (+/-2%)  
NWP Version: Chill  
Color Range: Limited  
SATRA: 85%



Waterproof



IR Surface  
Reflecting



Fire Resistant



EN Safety

COMFORTABLE

STRONG

SAFE


DURABLE

RELIABLE

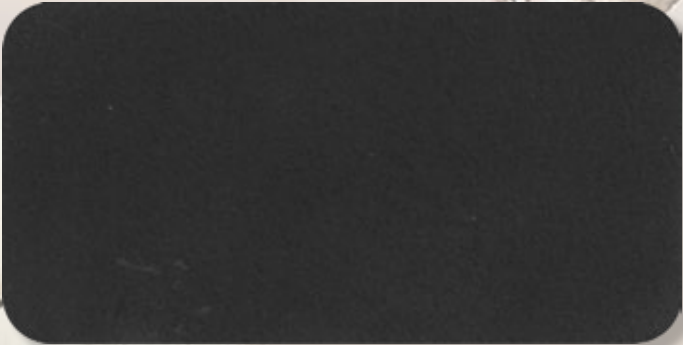
TOUGH



# 04 COMMANDO WP



Coyote  
2.02mm



Black  
2.02mm

A hard working reverse fleshout option for use in unlined boots and shoes.

Weight Range: 1.2-2.2mm

Oil Content: 14% (+/-2%)

NWP Version: Cadet

Color Range: Light to Dark

SATRA: 83%



Waterproof



EN Safety



GoreTex  
Approved

LONG LASTING

DEPENDABLE

STURDY

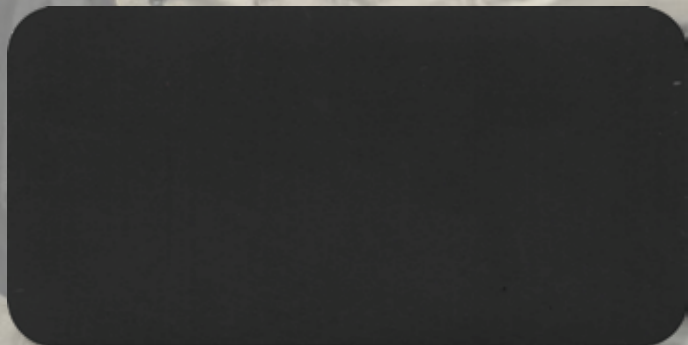
RUGGED

WELL BUILT

# 05 CONNECTION WP



Dark Bitter Chocolate  
1.68mm



Jet Black 19-0303 TPX  
1.46mm

A core ISA tannage, Connection is a staple leather for all outdoor, work and rugged footwear collections.

\* For light colors, order as Saddleback WP

Weight Range: 1.2-2.2mm

Oil Content: 18% (+/-2%)

NWP Version: Connection

Color Range: Light to Dark

SATRA: 85%



Waterproof



SPR/Barnyard



Fire Resistant



EN Safety

COMFORTABLE

STRONG

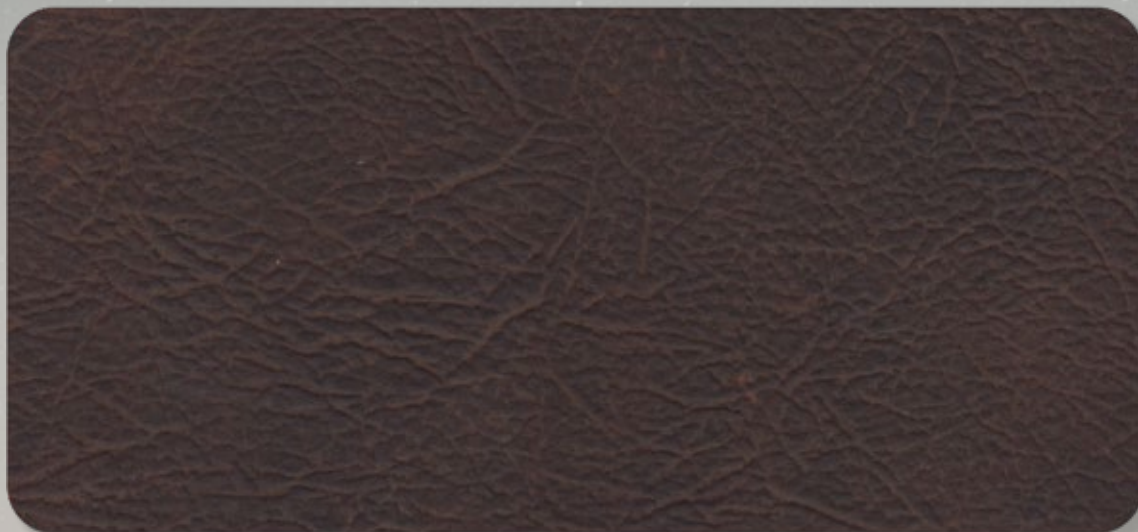
SAFE

DURABLE

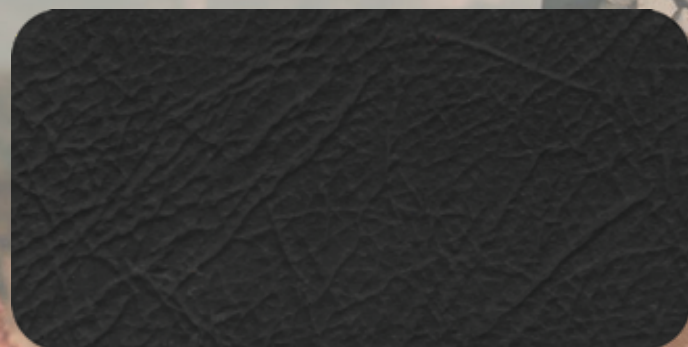
RELIABLE

TOUGH

# 06 CRISSCROSS WP



Clove 18-1320 TPG  
1.82mm



Black  
1.82mm

The interesting texture of Criss Cross WP reminds you of grassy fields and is perfect for boots to wear on the farm.

Weight Range: 1.2-2.2mm  
Oil Content: 18% (+/-2%)  
NWP Version: Criss Cross  
Color Range: Med to Dark  
SATRA: 83%



Waterproof



SPR/Barnyard



Fire Resistant



EN Safety

LONG LASTING

DEPENDABLE

STURDY

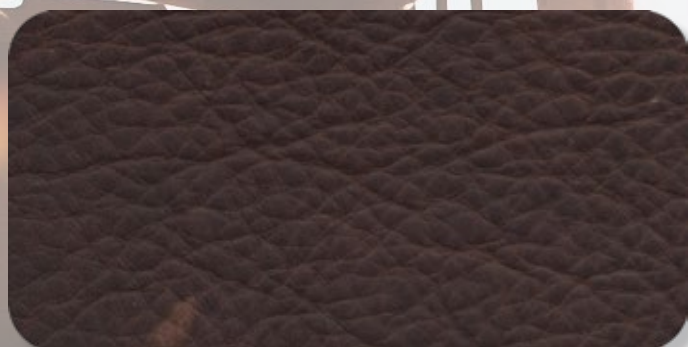
RUGGED

WELL BUILT

# 07 DAYTONA WP



Walnut 18-1112T PG  
1.57mm



Sea Lion 19-1218 TPG  
1.57mm

A rugged floater tannage with a milled, drapey softness and a waxy hand.

Weight Range: 1.4-2.2mm  
Oil Content: 16% (+/-2%)  
NWP Version: Daytona  
Color Range: Med to Dark  
SATRA: 85%



Waterproof



Fire Resistant



SPR/Barnyard

COMFORTABLE

STRONG

SAFE

DURABLE

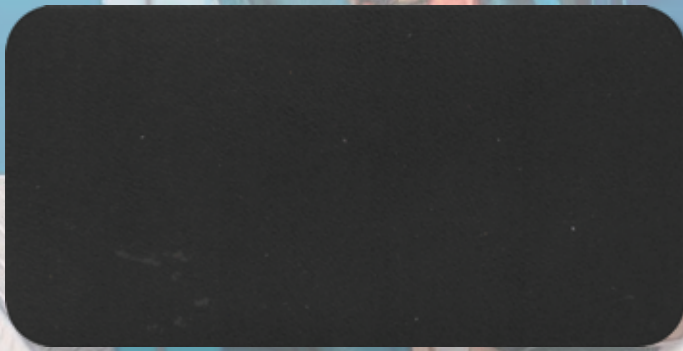
RELIABLE

TOUGH

# 08 DISCOVERY WP SS WASHABLE



Fog 13-0607 TPG  
1.68mm



Black  
1.68mm

Discovery WP SS Washable is a powerhouse performance leather passing multiple specifications for: Waterproof, Saline Solution and Washable all in one.

Weight Range: 1.2-2.0mm  
Oil Content: 8% (+/-2%)  
NWP Version: Not Available  
Color Range: Light to Dark  
SATRA: 85%



Washable



Waterproof



EN Safety



Saline Solution



Fire Resistant

LONG LASTING

DEPENDABLE

STURDY

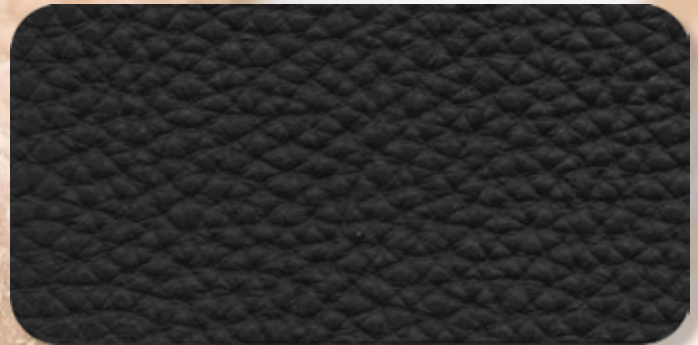
RUGGED

WELL BUILT

# 09 FISCHER WP



Brunette 19-1235 TPG  
1.82mm



Black  
1.82mm

A tough looking performance leather suitable for all work boot applications.

Weight Range: 1.6-2.0mm  
Oil Content: 16% (+/-2%)  
NWP Version: Fisher  
Color Range: Med to Dark  
SATRA: 80%



Waterproof



SPR/Barnyard



Fire Resistant



EN Safety

COMFORTABLE

STRONG

SAFE

DURABLE

RELIABLE

TOUGH

# 10 ICEBERG WP SS



Black  
1.68mm



Asphalt 19-0201 TPG  
1.46mm

Iceberg WP SS is a smooth, clean leather with an almost rubberized surface feel. Perfect for outdoor performance products.

Weight Range: 1.0-1.8mm

Oil Content: 12% (+/-2%)

NWP Version: Iceberg\*

Color Range: Light to Dark

SATRA: 80%

\*NWP will not pass SS



Waterproof



SPR/Barnyard  
+ Saturated Lime



Saline Solution

LONG LASTING

DEPENDABLE

STURDY

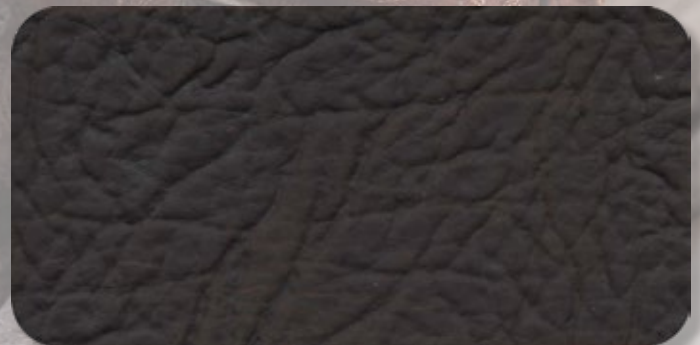
RUGGED

WELL BUILT

# 11 KRAKATOA WP



Bruin  
1.68mm



Toast  
1.68mm

A very bold texture with an oily feel and sharp pull up. Krakatoa WP is perfect for tough work or western boots.

Weight Range: 1.2-2.2mm  
Oil Content: 18% (+/-2%)  
NWP Version: Biker  
Color Range: Med to Dark  
SATRA: 80%



Waterproof



SPR/Barnyard



Fire Resistant



EN Safety

COMFORTABLE

STRONG

SAFE

DURABLE

RELIABLE

TOUGH



# 12 LORE WP GT SS

Dark Brown 19-0915 TPG  
1.24mm

Honey 15-1045 TPG  
1.24mm

A soft, aniline leather that is breathable and passes Gore-Tex standards for wicking and MVTR breathability.

Weight Range: 1.2-1.6mm  
Oil Content: 10% (+/-2%)  
NWP Version: Lore\*  
Color Range: Med to Dark  
SATRA: 83%

*\*NWP version will not pass SS*



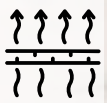
Waterproof



Saline Solution



Fire Resistant



GoreTex  
Approved

LONG LASTING

DEPENDABLE

STURDY

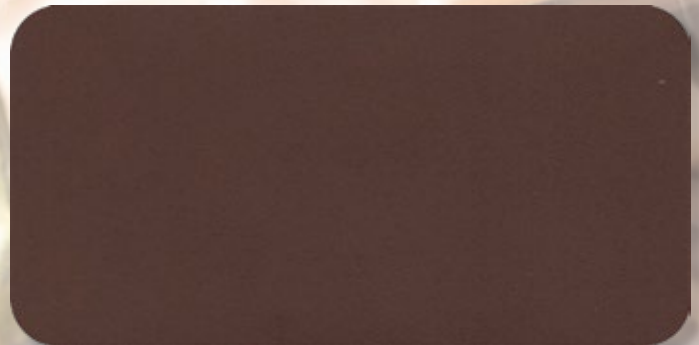
RUGGED

WELL BUILT

# 13 MANITOU WP GT SS



Dark Brown  
1.68mm



Chestnut Brown  
2.02mm

Maintou WP GT SS is a naturally smooth leather with a silky feel and a fine burnishable grain. It has a beautiful aniline finish and a mellow temper.

Weight Range: 1.0-1.8mm

Oil Content: 10% (+/-2%)

NWP Version: Manitou\*

Color Range: Med to Dark

SATRA: 83%

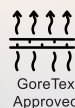
\*NWP will not pass SS



SPR/Barnyard  
+Saturated Lime



EN Safety



GoreTex  
Approved



Waterproof



Saline Solution



Fire Resistant

COMFORTABLE

STRONG

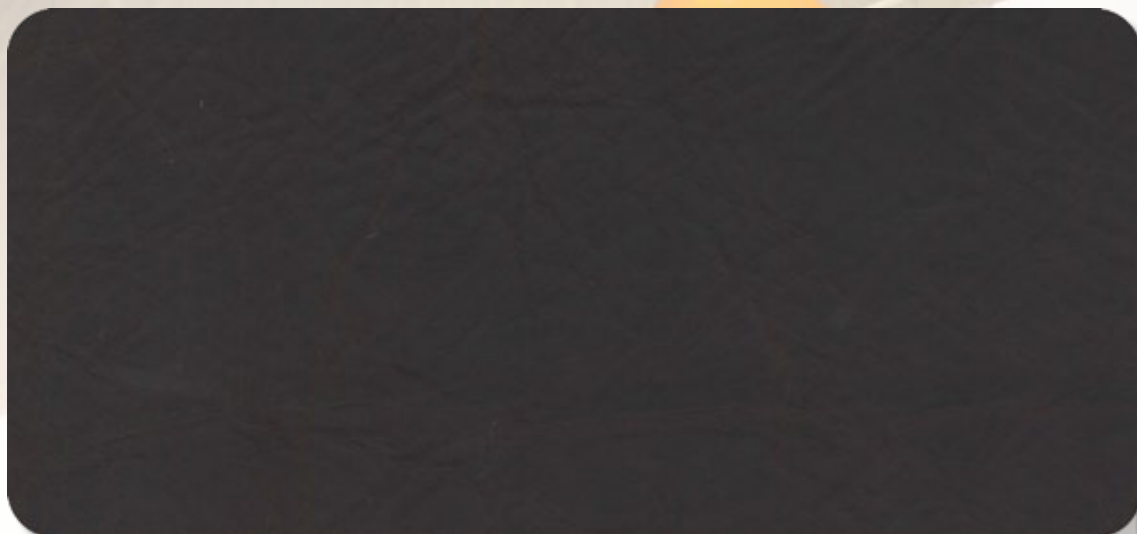
SAFE

DURABLE

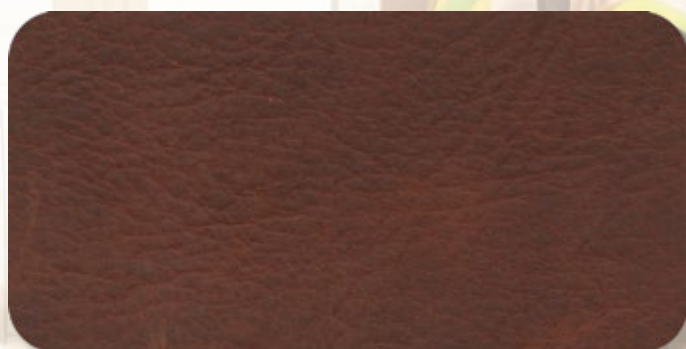
RELIABLE

TOUGH

# 14 MUDDY RIVER WP



Dark Coffee  
1.68mm



Leather Brown 18-1142 TPG  
1.82mm

A core leather throughout the entire footwear industry. Whenever a rugged casual WP leather is needed, look to Muddy River WP.

Weight Range: 1.2-2.2mm  
Oil Content: 16% (+/-2%)  
NWP Version: Not Available  
Color Range: Med to Dark  
SATRA: 80% / 83%



Waterproof



SPR/Barnyard



Fire Resistant



EN Safety

LONG LASTING

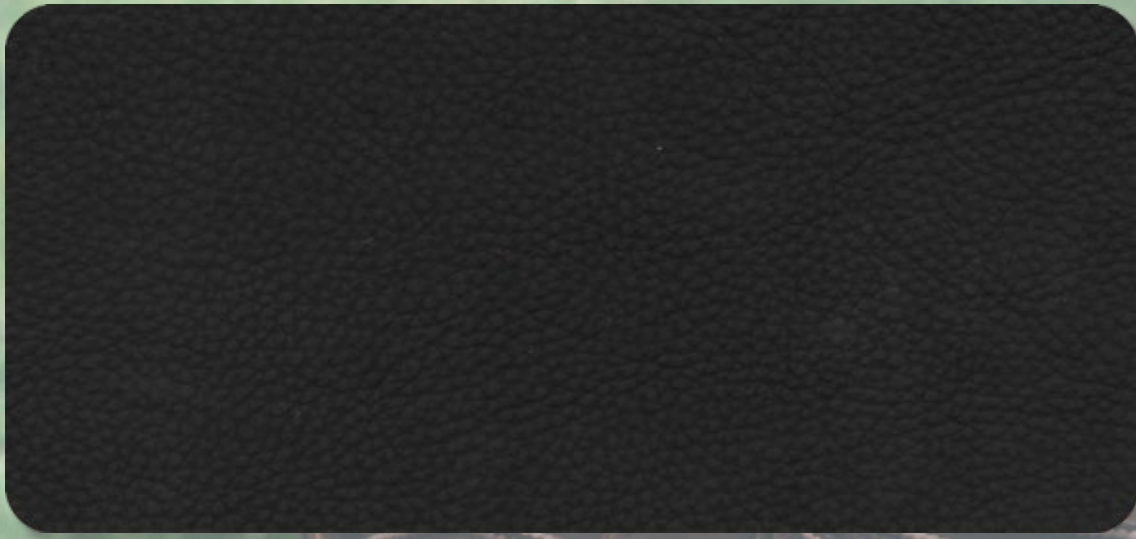
DEPENDABLE

STURDY

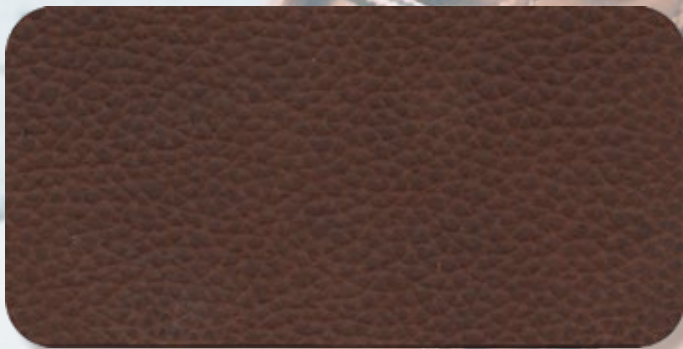
RUGGED

WELL BUILT

# 15 OVERLORD WP



Black  
1.68mm



Grand Canyon  
1.68mm

OVERLORD WP has a great small texture and antique surface interest all the while remaining very soft in temper. A classic outdoor look for winter.

Range: 1.2-1.8mm

Oil Content: 16% +/- 2%

NWP Version: Overlord

Color Range: Medium to Dark

SATRA: 80%



SPR/Barnyard



Waterproof



Fire Resistant



EN Safety

LONG LASTING

DEPENDABLE

STURDY

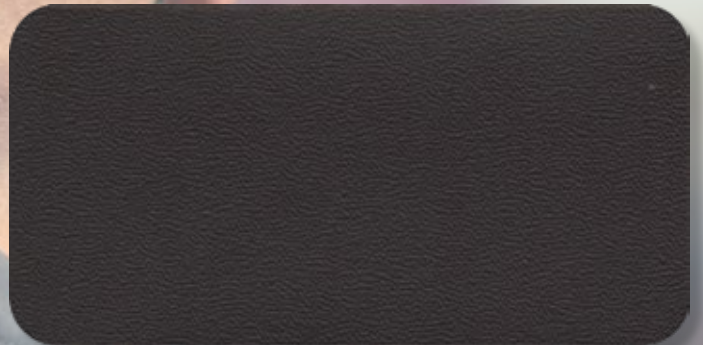
RUGGED

WELL BUILT

# 16 REGIMENT WP



Black  
2.02mm



Demitasse 19-0712 TPG  
1.82mm

Tough as nails, Regiment WP is the best performance leather in our arsenal.

Weight Range: 1.2-2.2mm  
Oil Content: 14% (+/-2%)  
NWP Version: Regiment  
Color Range: Med to Dark  
SATRA: 85%



Waterproof



SPR/Barnyard



Fire Resistant



EN Safety



COMFORTABLE

STRONG

SAFE

DURABLE

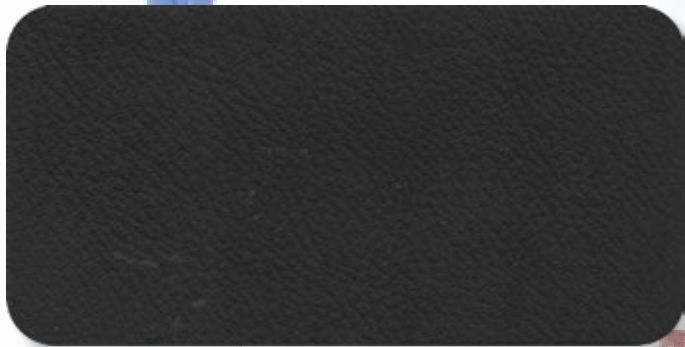
RELIABLE

TOUGH

# 17 REJUVENATE WASHABLE



Demitasse 19-0712 TPG  
1.46mm



Black  
1.46mm

With its natural grain character and softly milled temper, Rejuvenate Washable offers a full grain washable option.

Weight Range: 1.2-1.6mm  
Oil Content: 10% (+/-2%)  
WP Version: Not Available  
Color Range: Light to Dark  
SATRA: 85%



Fire Resistant



Washable

LONG LASTING

DEPENDABLE

STURDY

RUGGED

WELL BUILT

# 18 RIPTIDE GALLOPER WP SS



Black  
1.68mm




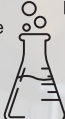



Brunette 19-1235 TPG  
1.82mm

Perfect for performance boots, Riptide Galloper WP SS offers a smooth full grain surface with an oily touch.

Weight Range: 1.2-2.0mm  
Oil Content: 14% (+/-2%)  
NWP Version: Galloper\*  
Color Range: Med to Dark  
SATRA: 85%

\*NWP will not pass SS

 SPR/Barnyard + Saturated Lime	 Fire Resistant	 EN Safety
 Saline Solution	 Waterproof	

# 19 SANEHORSE WP LO



Leather Brown 18-1142 TPG  
1.82



Peacoat 19-3920 TPG  
1.82mm

A traditional leather with a smooth, oiled pull up, however, the oil content is low enough for direct attach constructions.

Weight Range: 1.2-2.0mm  
Oil Content: 12% (+/-2%)  
NWP Version: Sanehorse  
Color Range: Med to Dark  
SATRA: 85%



Waterproof



SPR/Barnyard



Fire Resistant



EN Safety

LONG LASTING

DEPENDABLE

STURDY

RUGGED

WELL BUILT



# 20 SNOWPLOW WP SS



Sea Lion 19-1218 TPG  
1.82mm




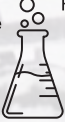



Mustard  
1.82mm

A rugged leather with an aggressive pull up and a unique smooth, slick surface.

Weight Range: 1.2-2.2mm  
Oil Content: 16% (+/-2%)  
NWP Version: Snowplow\*  
Color Range: Med to Dark  
SATRA: 85%

\*NWP will not pass SS

 SPR/Barnyard + Saturated Lime	 Fire Resistant	 EN Safety
 Saline Solution	 Waterproof	

COMFORTABLE

STRONG

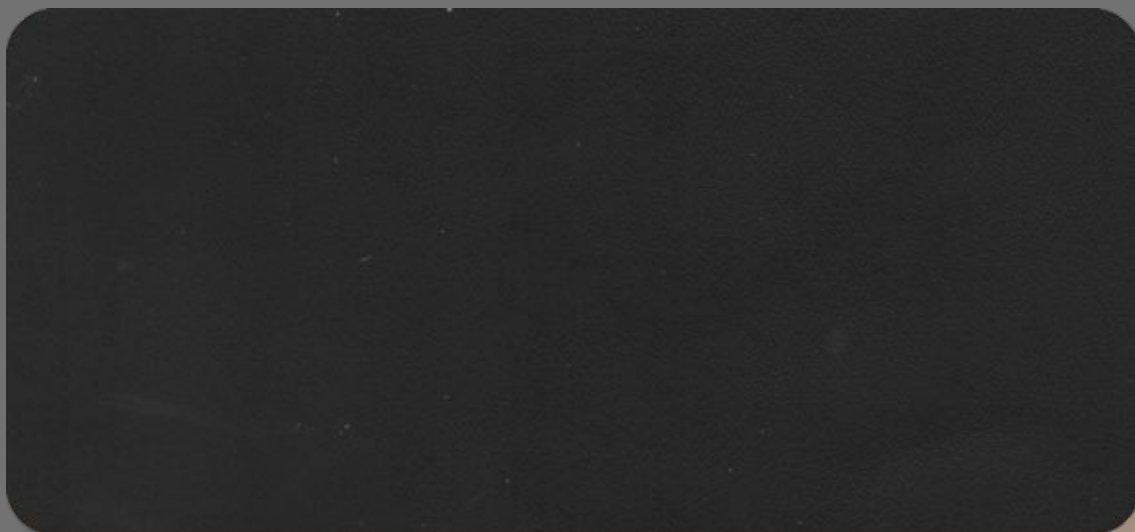
SAFE

DURABLE

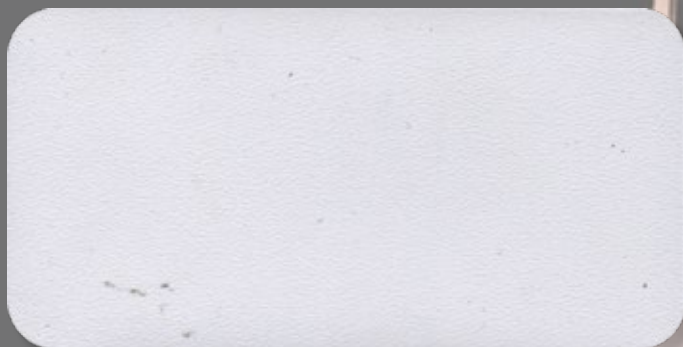
RELIABLE

TOUGH

# 21 SPOTLESS SOFT



Black  
1.35mm



White  
1.46mm

A smooth leather with a round body passing difficult stain resistant specifications for multiple applications.

Weight Range: 1.2-2.0mm  
Oil Content: 8% (+/-2%)  
WP Version: Not Available  
Color Range: Light to Dark  
SATRA: 85%



Stain Resistant

LONG LASTING

DEPENDABLE

STURDY

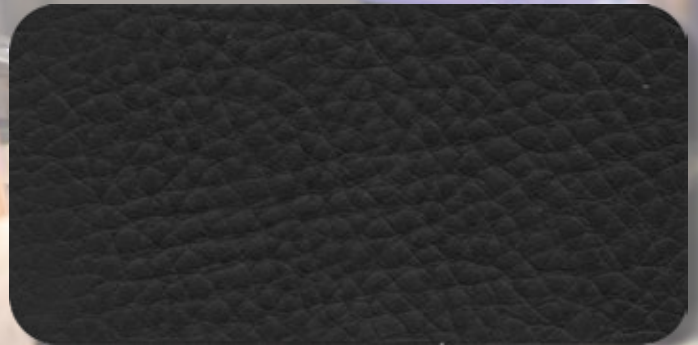
RUGGED

WELL BUILT

# 22 TAILGATE WP



Leather Brown 18-1142 TPG  
1.82mm



Demitasse 19-0712 TPG  
1.82mm

A classic look that is both rugged and soft, Tailgate WP EN is a great option with natural milling and a lightly oiled character.

Weight Range: 1.2-2.0mm  
Oil Content: 18% (+/-2%)  
NWP Version: Tailgate  
Color Range: Med to Dark  
SATRA: 85%



Waterproof



SPR/Barnyard  
+ Saturated Lime



Fire Resistant



EN Safety

COMFORTABLE

STRONG

SAFE

DURABLE

RELIABLE

TOUGH

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