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 **ISA nextgenmaterials**

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**ISA Saline Solution
Collection 2019**

Performance Features Suitable for Summer & Winter Environments



In addition to having sustainability at the heart of our business, ISA is constantly innovating and developing leather footwear solutions through the access of exclusive resources including test methods, accreditation, consultancy, research facilities as well as technical training.

In 2016, ISA proudly introduced Saline Solution – a technological breakthrough in the industry. Since first launched, the collection has expanded to include a wide variety of leather types. The functional features of Saline Solution leathers make footwear products suitable for every day wear.

To push the product even further, ISA is in constant contact with leading brands, offering customized and tailor made materials to meet their specific needs.

Performance Features :

- **Waterproof**
- **Easy to clean**
- **Maintains softness**
- **Repels salt**
- **No finish damage**
- **Dries quickly**

Test	Testing Criteria
SATRA TM34: 1993 Resistance to water penetration - Maeser test	No penetration at 15,000 flexes; maximum uptake of 20% at 15,000 flexes
SATRA TM305: 1998 Wick test	2 hours, Max rise 10mm
SATRA TM167: 2017 Colour fastness to rubbing - Crockmeter test	Dry & Wet ≥ 2.0


* All performed with 3% sea water.



Search "ISA Saline Solution" on Youtube.com

Blizzard WP SS

Blizzard WP SS is an updated veg retan from ISA. This smooth, dressy waterproof tannage can receive a dark burnish. Opening up many options for dress casual styles!

Temper	2.3 (+/- 0.5) @25mm
Color Range Available	Light - Dark
Weight Range Available	1.2 - 1.8mm
Oil Content	12% (+/- 2)
Milling Pattern	NA
Waterproof <input checked="" type="checkbox"/> Non Waterproof <input type="checkbox"/>	
Waterproof Spec: 15,000 Flexes. Absorption: 20% after 15,000 Flexes. Wicking: Max 10mm after 2 hours.	
Also passes: SATRA TM6: 1993 static water absorption: Max. 30% uptake, lose ¼ of uptake in drying time.	
 <p>One Pair of Shoes (2.5 sqft per pair) = 8.06 US Gallons of Water Saved + 308.03 11W LED Lighting Hours Saved</p>	




Bay Leaf 17-0808 TPX



Barrier WP SS

Barrier WP SS with its softer temper and rubberized feel provides a natural leather barrier against water & salt.

Temper	3.0 (+/- 0.5) @25mm
Color Range Available	Light - Dark
Weight Range Available	1.2 - 1.8mm
Oil Content	10% (+/- 2)
Milling Pattern	Medium
Waterproof <input checked="" type="checkbox"/> Non Waterproof <input type="checkbox"/>	
Waterproof Spec: 15,000 Flexes. Absorption: 20% after 15,000 Flexes. Wicking: Max 10mm after 2 hours.	
Also passes: SATRA TM6: 1993 static water absorption: Max. 30% uptake, lose ¼ of uptake in drying time.	
 <p>One Pair of Shoes (2.5 sqft per pair) = 8.06 US Gallons of Water Saved + 297.56 11W LED Lighting Hours Saved</p>	






Nitro 18-1763 TPG



Heliotrope WP SS

Heliotrope WP SS has a smooth oiled surface with medium pull up and great stand up for boots.

Temper	2.0 (+/- 0.5) @25mm
Color Range Available	Medium - Dark
Weight Range Available	1.2 - 2.0mm
Oil Content	18% (+/- 2)
Milling Pattern	Light
Waterproof <input checked="" type="checkbox"/> Non Waterproof <input type="checkbox"/>	
Waterproof Spec: 15,000 Flexes. Absorption: 20% after 15,000 Flexes. Wicking: Max 10mm after 2 hours.	
 =  + 	
One Pair of Shoes (2.5 sqft per pair)	8.06 US Gallons of Water Saved
	297.56 Lighting Hours Saved






Forest Night 19-0414 TPG



Iceberg WP SS

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

Temper	2.0 (+/- 0.5) @25mm
Color Range Available	Light - Dark
Weight Range Available	1.0 - 1.8mm
Oil Content	12% (+/- 2)
Milling Pattern	NA
Waterproof <input checked="" type="checkbox"/> Non Waterproof <input type="checkbox"/>	
Waterproof Spec: 15,000 Flexes. Absorption: 20% after 15,000 Flexes. Wicking: Max 10mm after 2 hours.	
Also passes: SATRA TM6: 1993 static water absorption: Max. 30% uptake, lose 1/4 of uptake in drying time.	
 =  + 	
One Pair of Shoes (2.5 sqft per pair)	8.06 US Gallons of Water Saved
	285.04 Lighting Hours Saved






Fog 13-0607 TPG



Manitou WP GT SS

Smooth full grain with great body has less oil which allows it to pass waterproof and breathability specifications.

Temper	1.8 (+/- 0.5) @25mm
Color Range Available	Medium - Dark
Weight Range Available	1.4 - 2.2mm
Oil Content	10% (+/- 2)
Milling Pattern	None
Waterproof <input checked="" type="checkbox"/> Non Waterproof <input type="checkbox"/>	
Waterproof Spec: 15,000 Flexes. Absorption: 20% after 15,000 Flexes. Wicking: Max 10mm after 2 hours.	
Also passes: SATRA TM6: 1993 static water absorption: Max. 30% uptake, lose ¼ of uptake in drying time.	
 =  + 	
One Pair of Shoes (2.5 sqft per pair)	8.06 US Gallons of Water Saved
	297.53 Lighting Hours Saved






Black



Riptide Galloper WP SS

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




Temper	2.0 (+/- 0.5) @25mm
Color Range Available	Medium - Dark
Weight Range Available	1.2 - 2.0mm
Oil Content	14% (+/- 2)
Milling Pattern	NA
Waterproof <input checked="" type="checkbox"/> Non Waterproof <input type="checkbox"/>	
Waterproof Spec: 15,000 Flexes. Absorption: 20% after 15,000 Flexes. Wicking: Max 10mm after 2 hours.	
 =  + 	
One Pair of Shoes (2.5 sqft per pair)	8.06 US Gallons of Water Saved
	302.99 Lighting Hours Saved



Black

Shoreline WP SS

Shoreline WP SS is an updated Summer Saline Solution leather from ISA. This smooth, veg retan is waterproof with low absorption. Opening up many options for sandal & boat shoe leather worn at the beach.

Temper	2.0 (+/- 0.5) @25mm
Color Range Available	Medium - Dark
Weight Range Available	1.2 - 1.8mm
Oil Content	12% (+/- 2)
Milling Pattern	None
Waterproof <input checked="" type="checkbox"/> Non Waterproof <input type="checkbox"/>	
Waterproof Spec: 15,000 Flexes. Absorption: 20% after 15,000 Flexes. Wicking: Max 10mm after 2 hours.	
Also passes: SATRA TM6: 1993 static water absorption: Max. 30% uptake, lose ¼ of uptake in drying time.	
 =  + 	
One Pair of Shoes (2.5 sqft per pair) = 8.06 US Gallons of Water Saved + 302.96 Lighting Hours Saved	






Natural



Snowbird WP SS

Lightly oiled with casual ruggedness, Snowbird WP SS is a classic American Lifestyle leather.




Temper	2.0 (+/- 0.5) @25mm
Color Range Available	Medium - Dark
Weight Range Available	1.2 - 2.0mm
Oil Content	16% (+/- 2)
Milling Pattern	Medium
Waterproof <input checked="" type="checkbox"/> Non Waterproof <input type="checkbox"/>	
Waterproof Spec: 15,000 Flexes. Absorption: 20% after 15,000 Flexes. Wicking: Max 10mm after 2 hours.	
 =  + 	
One Pair of Shoes (2.5 sqft per pair) = 8.06 US Gallons of Water Saved + 267.69 Lighting Hours Saved	



Cocoa 19-1235 TPX

Snowplow WP SS

Snowplow WP SS is a rugged leather with light pull up and a smooth, slick surface.

Temper	2.0 (+/- 0.5) @25mm
Color Range Available	Medium - Dark
Weight Range Available	1.2 - 2.2mm
Oil Content	16% (+/- 2)
Milling Pattern	Light
Waterproof <input checked="" type="checkbox"/> Non Waterproof <input type="checkbox"/>	
Waterproof Spec: 15,000 Flexes. Absorption: 20% after 15,000 Flexes. Wicking: Max 10mm after 2 hours.	
 =  + 	
One Pair of Shoes (2.5 sqft per pair)	8.06 US Gallons of Water Saved
	268.69 Lighting Hours Saved



Sunset Wheat



Whirlpool WP SS

An extraordinarily soft, yet very smooth new Waterproof tannage for Fall 18. Whirlpool WP SS defines luxury.

Temper	3.0 (+/- 0.5) @25mm
Color Range Available	Light - Dark
Weight Range Available	1.0 - 1.8mm
Oil Content	12% (+/- 2)
Milling Pattern	Heavy
Waterproof <input checked="" type="checkbox"/> Non Waterproof <input type="checkbox"/>	
Waterproof Spec: 15,000 Flexes. Absorption: 20% after 15,000 Flexes. Wicking: Max 10mm after 2 hours.	
Also passes: SATRA TM6: 1993 static water absorption: Max. 30% uptake, lose ¼ of uptake in drying time.	
 =  + 	
One Pair of Shoes (2.5 sqft per pair)	8.06 US Gallons of Water Saved
	294.06 Lighting Hours Saved



Porter #5670B

