## Hand Tipped Upholstery Leather





## Hand Tipped is in a class by itself.

This two-toned leather is clearly in a class by itself. Hand Tipped is crafted from a premium selection of full grain raw material and the pebble grain character is the result of a specific retannage and extended milling process. The premium, select raw material required to produce Hand Tipped originates from northern Italy, southern Germany, and Switzerland. The two-tone effect is achieved through the base dye coloration and treatment where the tip of the pebble grain is dyed with a dark overtone applied by hand. The surface of the leather is further enhanced with a light clear coat application followed with a specialized ironing process.



Product	Hand Tipped (HT)
Content	European cowhide
Origin	Italy
Hide Size	
	60–65 sq ft (5.6–6.0 sq m)
Thickness	1.4–1.6 mm
Weight	3.5–4.0 oz / sq ft (1068–1221 g / sq m)
Grain	Full
Grain Texture	Pronounced pebble
Tannage	Chrome
Dye	Aniline
Finish	Light
Primary Uses	Upholstery, handrails, rugs, wall panels, architectural applications
Industry	Automotive, aviation, contract, hospitality, marine, residential
Maintenance	Wipe with a cool, damp cloth. For tougher soiling, use a pH-balanced soap and rinse. Repeat, if needed. Occasional use of Spinneybeck Finished Leather Cleaner, Conditioner & Protector is recommended. Other leather cleaners such as saddle soap or household cleaners that may contain harsh chemicals, alcohol or ink removers should never be used.
Custom	Custom colors not available
Special Services	Flame treatment, perforated, and embossed available with an upcharge
Colorfastness to Light	Class 4
Colorfastness to Crocking	Class 4–5 (dry), Class 4 (wet)
Flammability	ASTM E 84: Class A (flame treated) Boston Fire Dept BFD IX-1: Pass (flame treated) BS EN1021 (Part I and Part II): Pass BS 5852 Crib 5 and Crib 7: Pass (flame treated) CAL 117: Pass CAL 133: Successfully used in CAL 133 applications with Firegard F187 fire backer material or equivalent (flame treated) Cigarette Ignition Resistance NFPA 260: Class 1 FAR 25.853(a) 60 sec vertical burn, 12 sec vertical burn. Oil burner-fire block: Pass IMO Resolution A.652 (16): Pass IMO Resolution A.653(16) Part 2 and 5: Pass (flame treated) NF P 95 512 1986 (Electric Burner Test): Class M1 (flame treated)
Durability + Strength	Abrasion ASTM D 7255: n/a Breaking Force ASTM D 2208: 260 lb Elongation ASTM D 2211: 30–50% at 50 lb Flex ASTM D 2097: 70,000 flexes Tearing Strength ASTM D 4705: 40 lb

## **Standard Colors**



HT 1529

HT 1519

HT 1518

HT 1513

HT 1533

HT 1531

HT 1522



HT 1520



