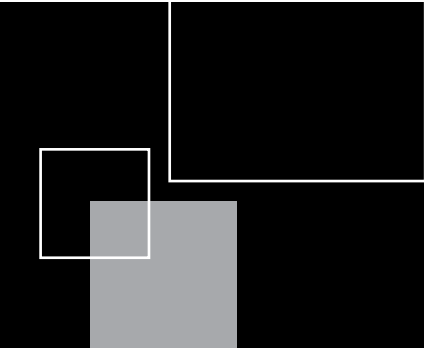


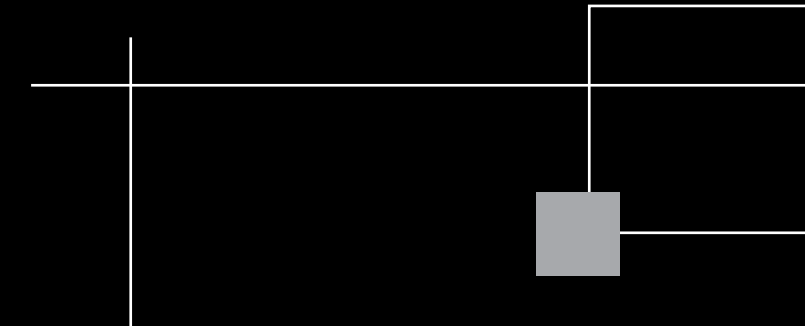
inpelle
Leather p a s s i o n



We have combined an innovative idea with our leather manufacturing know-how and developed a high quality product - revolutionary and extremely durable.

A natural product leather has been a part of our society since the dawn of mankind.

Now we have created a solution to allow you to experience this ancient material in a completely new dimension. Easily installed leather tiles... an excellent choice to enhance floors and walls.





Our beautiful leather tiles, created by nature herself, will fulfil your interiors with elegance, harmony and a unique sensual appeal.

inpelle leather tiles are warm and soft to the touch and they add a pleasant aroma.

By preserving the natural, soft feeling of leather you can create living spaces emotionally charged with the atmosphere of exceptional surroundings. This is what we like to call leather passion.

environmental policy

Sustainable architecture means environmentally-conscious design techniques in the field of architecture. In the broad context, sustainable architecture seeks to minimize the negative environmental impact of buildings by enhancing efficiency and moderation in the use of materials, energy, and development space.

Sustainable design is a general reaction to the global "environmental crisis".

inpelle believes the crisis may be resolved by using innovative design and industrial practices which reduce the environmental impacts.

How does inpelle contribute to the environmental thinking?

inpelle has developed a product which is eco-friendly and 100% recyclable:

the aluminium can be recycled without losing any of its properties

the biological leather is tanned without chrome and therefore it is biodegradable. Water which is used during the tanning process is constantly collected, filtered and purified. All salts used in the tanning process are removed from the water.

inpelle avoids the use of substances that adversely effect the environment and conserves energy and resources in all stages of development and manufacturing.



inpelle's unique leather tiles were successfully launched in Dubai in June 2007. Now inpelle is working with architects and designers on a worldwide level, consolidating its network of potential clients from day to day.

To serve the needs of architects and designers inpelle established a broad network of agents and cooperations with well known research libraries for innovative materials like the Material Lab in London and the Material ConneXion in New York, Bangkok, Cologne and Milan.

■■■inpelle applications

Due to its outstanding technical characteristics inpelle leather tiles are highly recommended for floor and wall applications in the residential, commercial and maritime sector.

penthouses and high-end private homes
prestigious offices and conference rooms
fashionable showrooms
luxury suites of five star hotels
stylish shops and boutiques
magnificent casinos
trendy museums and art galleries
fabulous yachts
exclusive spa areas



inpelle leather tiles are handcrafted to achieve the best results in terms of quality and aesthetic aspects. From raw material to the final product inpelle leather tiles are produced in-house in our several production facilities in Northern Italy.

inpelle has combined high tech technologies of three different and significant countries:

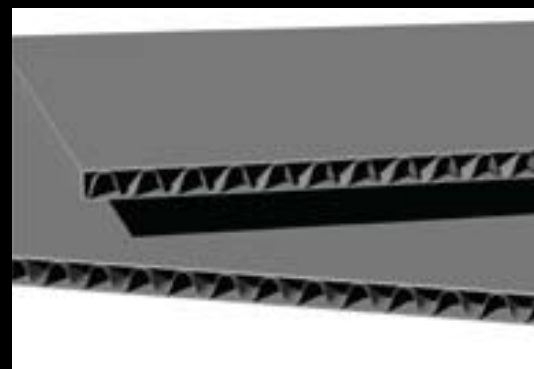
ITALY: manufacturing of leather
GERMANY: supply of aluminium
USA: supply of adhesive glue

inpelle tiles consist of top quality and high technological materials.

The base material, an innovative aluminium sandwich technology, ensures the extremely light weight of the tiles. The aluminium panel has a thickness of only 1 cm and it is absolutely resistant.

Due to its internal wave structure it can be even bent around curves.

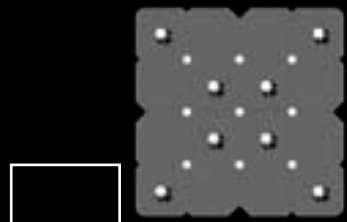
The tile sizes are customized and range from 25 cm until 1 m including square and rectangular shapes.



inpelle uses the finest quality of raw hides and a chrome free ecological tanning process. Therefore, the leather is biodegradable and – as well as the aluminium – recyclable.

In our internal laboratory with the highest standard equipment all necessary tests can be conducted in-house and thus we can assure a top quality leather best suited for flooring applications.





Due to its highly flexible and modular installation system based on mounting elements inpelle leather tiles are fast to install and easily to exchange. Even the whole floor can be exchanged without any stress and within a short period of time.

inpelle installations are performed by our trustful and trained service team.

Trouble free cleaning and easy maintenance is guaranteed by a special treatment of the leather surface.

The inpelle product, made in Italy, is certified and legally protected by a patent.

The main focus of inpelle's leather flooring concept is on customized solutions in terms of

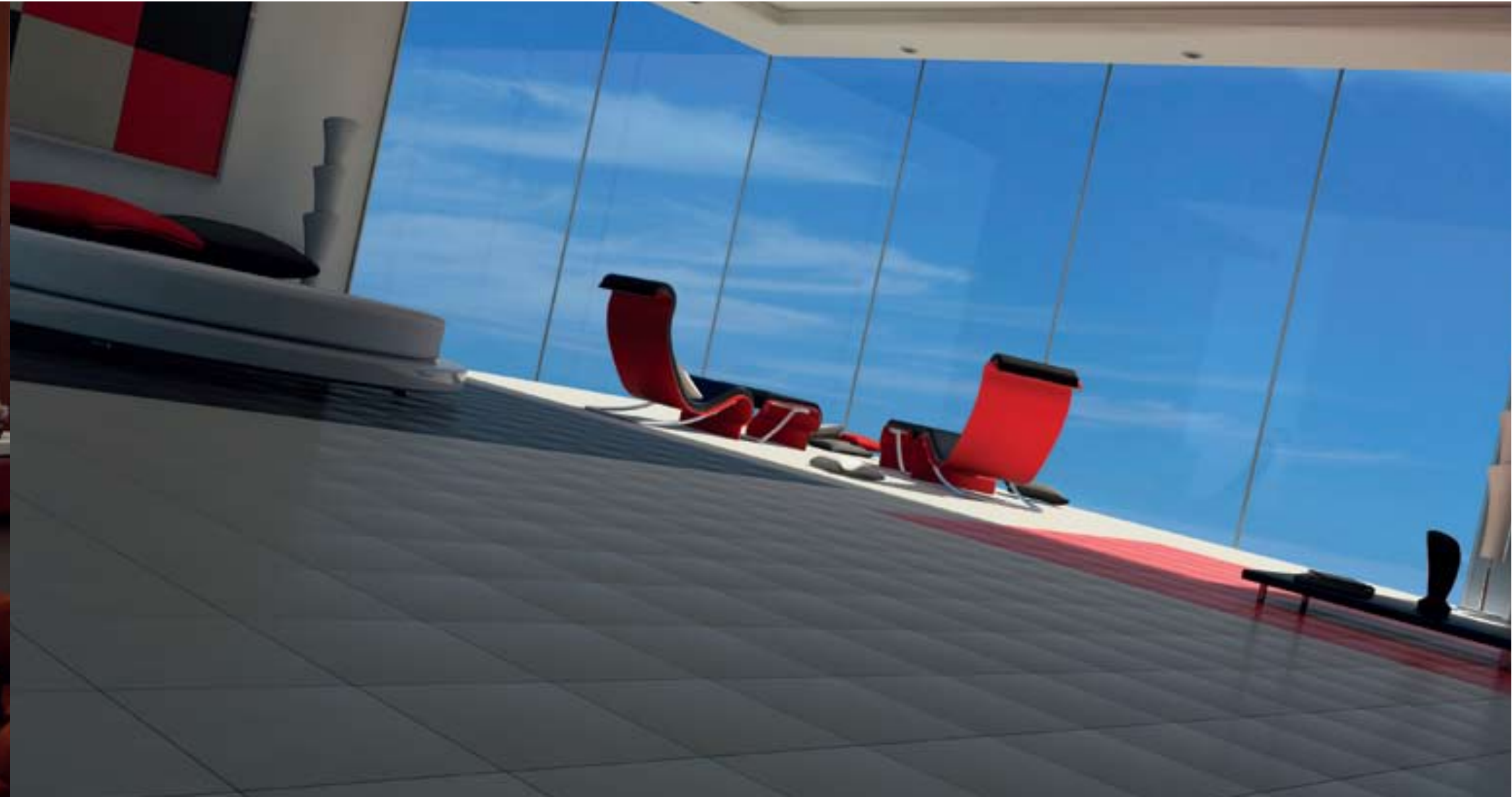
- colours: any kind of colour can be reproduced
- textures: any kind of texture can be produced
- tile sizes: sizes range from 25 cm to 1 m
- leather thickness: leather thickness range from 1 mm to 1,5 mm
- imprint, laser work and stitching
- foam application (e.g. boat sector) to obtain a soft leather tile
- combination with different materials: for example aluminium profiles or LEDs
- laying: it is possible on concrete slab or floating over an existing floor



inpelle - colour selection

inpelle's focus is on customization to allow for the uniqueness of design. Therefore, inpelle prepares any colour and any texture according to the request of the customer.

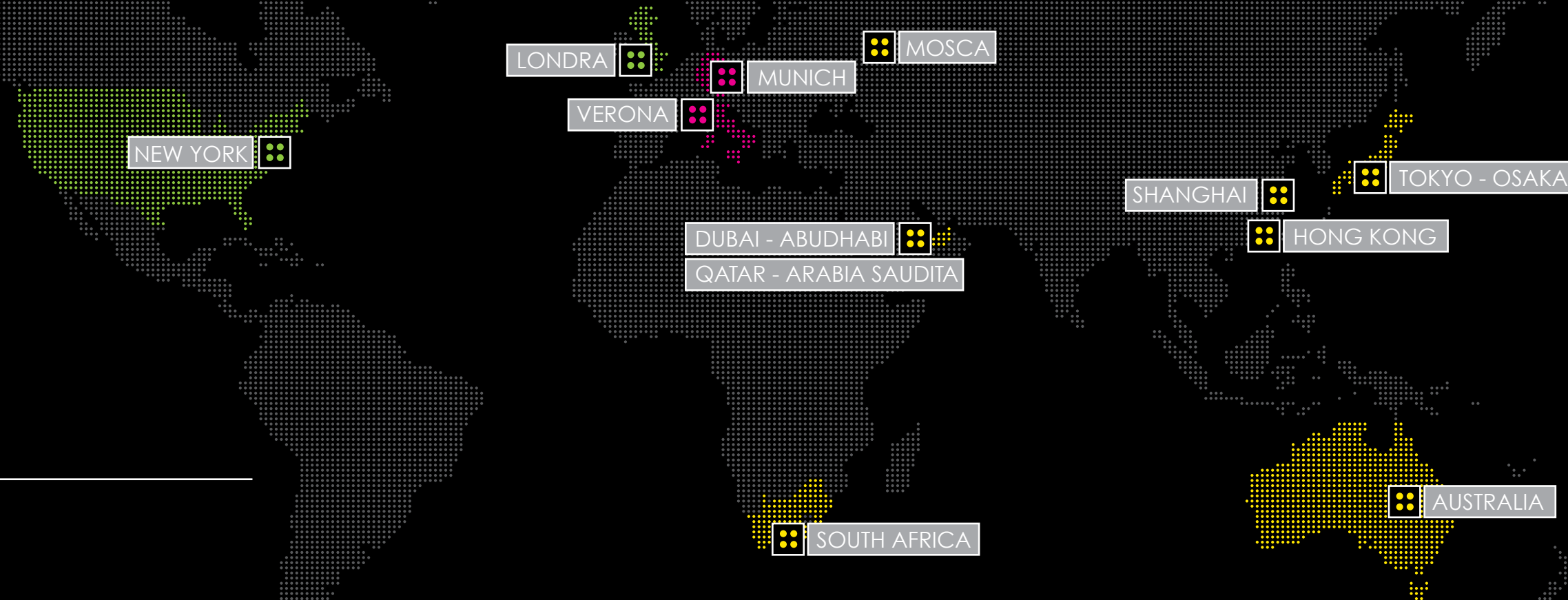
Choose your colour either from the NCS, RAL or Pantone colour book, from inpelle samples or provide any textile or material with the desired colour and / or texture and inpelle will reproduce it.



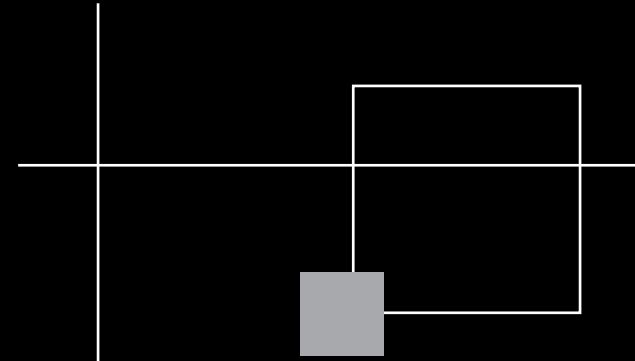
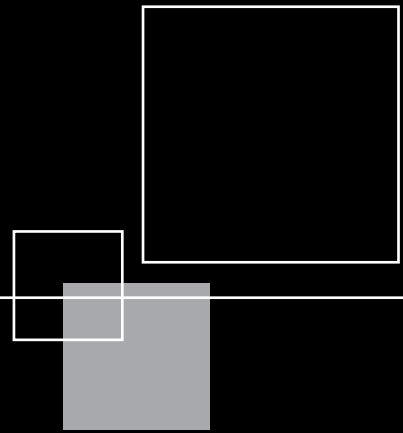




world map



- VERONA base
- MUNICH sales office
- LONDON showroom
- NEW YORK showroom
- MIDDLE EAST agents
- JAPAN agents
- MOSCA future representations
- HONG KONG future representations
- SHANGHAI future representations
- AUSTRALIA future representations
- SOUTH AFRICA future representations



□□■ what others say

Ben Marshall, Head of Material Lab, London:

“At Material Lab we are always searching for new and innovative manufacturers and materials and inpelle is the icing on the cake. We are delighted to be able to link up with inpelle, further broadening our expertise and products to offer more to the design community.”

Severino Barzan, Owner of the Bottega del Vino, New York:

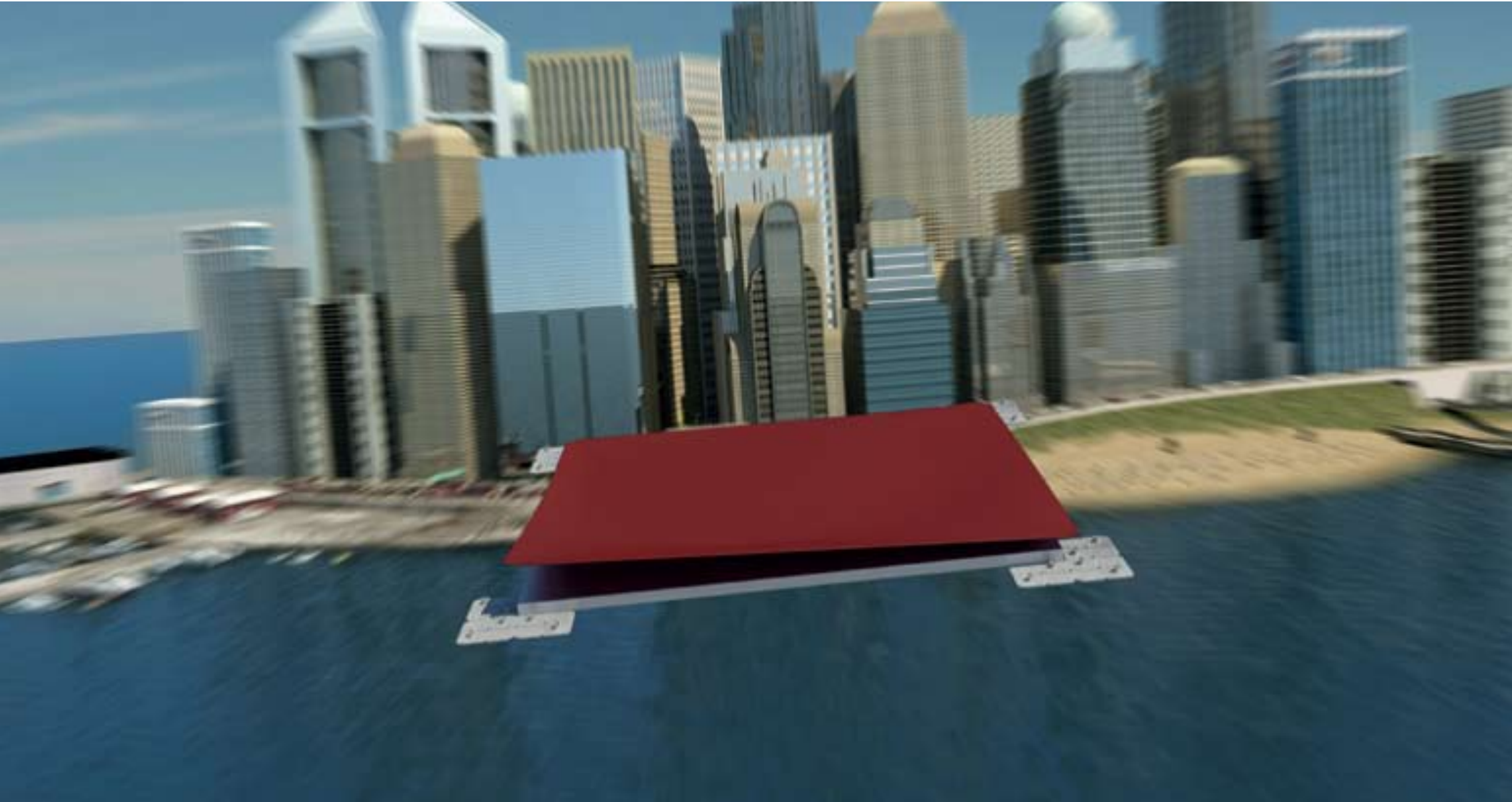
“The new fit out with inpelle leather tiles transformed our VIP area in a luxurious place airing a completely new and unique atmosphere. We are delighted with the many positive aspects and the easy maintenance of the inpelle leather flooring tiles.”

Roger Jergens Friedrich, Director of Blue Ocean, Arab German General Trading:

“The inpelle leather flooring concept is an ingenious idea!”

Sometimes you walk
all over your passion.

Leather floors by inpelle.
Feel the luxury experience.



luxury market - inpelle

Traditional buyers of luxury goods mainly seek to arouse attention and admiration.

However, there are also silent connoisseurs, who appreciate the particular product quality, or those interested more towards the uniqueness of the image, since some goods are available only in limited series.

The inpelle concept offers what true connoisseurs are looking for!

□□■ technical data report: **leather**

	CHARACTERISTICS	SPECIFICATION TOLERANCE	RESULTS	MEASURING UNIT
MATERIAL Materiale	THICKNESS Spessore pelle	1,2 ± 0,2 mm 1,4 +/- 1,7 mm (fullness leather)	1,31	mm
	GROSS DENSITY Densità	0,6 ÷ 0,8 g/cm ³	0,65	g/cm ³
	WEIGHT PER UNIT AREA peso per area	700 ÷ 900 g/m ² 900 ÷ 1100 g/m ² (fullness leather)	863	g/m ²
	FAT CONTENT Contenuto di grassi	7 ÷ 12 %	7,5	%
	pH value	≥ 3,5	3,87	H+
	pH value	differ. ≤ 0,7	0,26	H+
	CHROMIUM CONTENT Contenuto di cromo	≤ 0,10 %	< 0,1	%

□□■ technical data report: **leather**

	CHARACTERISTICS	SPECIFICATION TOLERANCE	RESULTS	MEASURING UNIT
PHYSICAL PROPERTIES proprietà fisiche	MAXIMUM TENSILE STRENGTH Massimo carico a rottura	mean value (of 5 spec.) ≥ 130N - L individual value ≥ 80N	314	N
	MAXIMUM TENSILE STRENGTH Massimo carico a rottura	mean value (of 5 spec.) ≥ 130N - T individual value ≥ 80N	250	N
	ELONGATION AT BREAK Allungamento a rottura	35 ÷ 60 % L	58,3	%
	ELONGATION AT BREAK Allungamento a rottura	35 ÷ 60 % T	58,8	%
	STITCH TEAR RESISTANCE resistenza strappo cucitura	≥ 60 N - L	131	N
	STITCH TEAR RESISTANCE resistenza strappo cucitura	≥ 60 N - T	124	N

□□■ technical data report: **leather**

	CHARACTERISTICS	SPECIFICATION TOLERANCE	RESULTS	MEASURING UNIT
PHYSICAL PROPERTIES proprietà fisiche	TEAR PROPAGATION STRENGTH carico allo strappo	≥ 25 N - L	92	N
	TEAR PROPAGATION STRENGTH carico allo strappo	≥ 25 N - T	103	N
	PERSPIRATION RESISTANCE OF THE GRAIN SIDE resistenza allo strofinio Alcaline solution Gray scale level	≥ 4-5 Grade LEATHER	5	Grey Scale
	PERSPIRATION RESISTANCE OF THE GRAIN SIDE resistenza allo strofinio Alcaline solution Gray scale level	≥ 4-5 Grade FELT	5	Grey Scale

□□■ technical data report: **leather**

	CHARACTERISTICS	SPECIFICATION TOLERANCE	RESULTS	MEASURING UNIT
BEHAVIOR AT PERMANENT FOLDING comportamento alla piega continua	DRY TEST AT ROOM TEMPERATURE temperatura ambiente a secco	After 100.000 flexes no visible cracking	No crack	Visual
	AFTER HYDROLYSIS TEST 168 H AT 70° C AND 70% RELATIVE HUMIDITY, 24 H DRYING AT ROOM TEMPERATURE dopo il ciclo di idrolisi e condizionamento a temperatura ambiente per 24h	After 1.000 flexes no visible cracking	No crack	Visual
	AFTER LOW TEMPERATURE TEST AT -10°C flessioni a bassa temperatura -10°C	After 30.000 flexes no visible cracking	No crack	Visual
	HIGH TEMPERATURE LIGHT EXPOSURE 3 periods esposizione alla luce tre cicli eseguire flessioni	After 10.000 flexes micro cracking permissible	No crack	Visual
	WATER VAPOR PERMEABILITY permeabilità al vapor acqua	≥ 1,0 mg/cm ²	1,33	mg/cm ² h

□□■ technical data report: **leather**

	CHARACTERISTICS	SPECIFICATION TOLERANCE	RESULTS	MEASURING UNIT
HEAT RESISTANCE resistenza al calore	AGING FOR 144 h AT 100° MECHANICALLY CIRCULATED AIR	≥ 4 Grade	5	Grey Scale
	AGING FOR 4 h AT 120° MECHANICALLY CIRCULATED AIR	≥ 4 Grade	5	Grey Scale
	FASTENESS TO HIGH -TEMPERATURE 3 periods VDA 75202 Esposizione alla luce e cicli secondo VDA 75202	≥ 4 Grade GREY SCALE	5	Grey Scale

□□■ technical data report: **leather**

	CHARACTERISTICS	SPECIFICATION TOLERANCE	RESULTS	MEASURING UNIT
ADHESIVE STRENGTH OF THE FINISH Adesioni	DRY Secco	≥ 4 N	12	N
	WET (1h AGING IN WATER) Bagnato (1h in acqua)	≥ 1,2 N	3	N
	AFTER 100.000 flexes dopo 100.000 flessioni	≥ 3,5 N	16	N
	AFTER HIGH - TEMPERATURE LIGHT EXPOSURE 3 Periods VDA 75202 Esposizione alla luce e cicli secondo VDA 75202	≥ 3,5 N	11	N

□□■ technical data report: **leather**

	CHARACTERISTICS	SPECIFICATION TOLERANCE	RESULTS	MEASURING UNIT
FASTNESS TO RUBBING AT 10% ELONGATION AND 10N LOAD EVALUATION GRAY SCALE <i>estensione provino su vesic 10% e valutazione con scala dei grigi</i>	DRY - number of strokes 2000 secco - numero di passaggi 2000	5 Grade	5	Grey Scale
	WET - number of strokes 500 secco - numero di passaggi 500	≥ 4-5 Grade	5	Grey Scale
	ALKALINE PERSPIRATION SOLUTION number of strokes 100 sudore alcalino numero passaggi 100	≥ 4-5 Grade	5	Grey Scale
	SPECIAL BOILING POINT SPIRIT DIN 51 631 TYPE 2 number of strokes 20 Benzina - numero di passaggi 20	≥ 4-5 Grade	5	Grey Scale
	NEUTRAL SOAP number of strokes 100 sapone neutro numero di passaggi 100	≥ 4-5 Grade	5	Grey Scale

□□■ technical data report: **leather**

	CHARACTERISTICS	SPECIFICATION TOLERANCE	RESULTS	MEASURING UNIT
FASTNESS TO RUBBING AT 10% ELONGATION AND 10N LOAD EVALUATION GRAY SCALE <i>estensione provino su vesic 10% e valutazione con scala dei grigi</i>	ETHANOL - number of strokes 5 Etanolo - numero di passaggi 5	≥ 4 Grade	5	Grey Scale
	ABRASION CHARACTERISTICS N= 50 rpm - Friction wheel CS10, Load 10N number of rotations 500 Taber test numero rotazioni 500 - CS10	no visible surface damage	No damage	Visual
	SOILING AND CLEANABILITY (AROMATIC VINEGAR) Pulibilità dopo sporco aceto balsamico	after cleaning min rating 4	FLTM BN 112-08 ISO 105-A02	OK
	SOILING AND CLEANABILITY (TOOTHPASTE) Pulibilità dopo sporco dentrificio	after cleaning min rating 4	FLTM BN 112-08 ISO 105-A02	OK

□□■ technical data report: **leather**

	CHARACTERISTICS	SPECIFICATION TOLERANCE	RESULTS	MEASURING UNIT
FASTENESS TO RUBBING AT 10% ELONGATION AND 10N LOAD EVALUATION GRAY SCALE estensione provino su veslic 10% e valutazione con scala dei grigi	SOILING AND CLEANABILITY (BODY LOTION) Pulibilità dopo sporco crema corpo	after cleaning min rating 4	FLTM BN 112-08 ISO 105-A02	OK
	SOILING AND CLEANABILITY (MAKE UP REMOVER) Pulibilità dopo sporco struccante	after cleaning min rating 4	FLTM BN 112-08 ISO 105-A02	OK
	SOILING AND CLEANABILITY (BATH FOAM) Pulibilità dopo sporco bagnoschiuma	after cleaning min rating 4	FLTM BN 112-08 ISO 105-A02	OK
	SOILING AND CLEANABILITY (HAIRSPRAY) Pulibilità dopo sporco lacca per capelli	after cleaning min rating 4	FLTM BN 112-08 ISO 105-A02	OK
	SOILING AND CLEANABILITY (HAND CREAM) Pulibilità dopo sporco crema mani	after cleaning min rating 4	FLTM BN 112-08 ISO 105-A02	OK

□□■ technical data report: **leather**

	CHARACTERISTICS	SPECIFICATION TOLERANCE	RESULTS	MEASURING UNIT
FASTENESS TO RUBBING AT 10% ELONGATION AND 10N LOAD EVALUATION GRAY SCALE estensione provino su veslic 10% e valutazione con scala dei grigi	SOILING AND CLEANABILITY (GREASE REMOVER) Pulibilità dopo sporco sgrassatore	after cleaning min rating 4	FLTM BN 112-08 ISO 105-A02	OK
	SOILING AND CLEANABILITY (STAIN REMOVER) Pulibilità dopo sporco smacchiatore a secco	after cleaning min rating 4	FLTM BN 112-08 ISO 105-A02	OK
	SOILING AND CLEANABILITY (KETCHUP) Pulibilità dopo sporco ketchup	after cleaning min rating 4	FLTM BN 112-08 ISO 105-A02	OK
	SOILING AND CLEANABILITY (HAIR TONIC) Pulibilità dopo sporco gel per capelli	after cleaning min rating 4	FLTM BN 112-08 ISO 105-A02	OK
	SOILING AND CLEANABILITY (ORANGE JUICE) Pulibilità dopo sporco succo	after cleaning min rating 4	FLTM BN 112-08 ISO 105-A02	OK

□□■ technical data report: **leather**

	CHARACTERISTICS	SPECIFICATION TOLERANCE	RESULTS	MEASURING UNIT
FASTNESS TO RUBBING AT 10% ELONGATION AND 10N LOAD EVALUATION GRAY SCALE estensione provino su veslic 10% e valutazione con scala dei grigi	SOILING AND CLEANABILITY (SUNTAN LOTION) Pulibilità dopo sporco crema solare	after cleaning min rating 4	FLTM BN 112-08 ISO 105-A02	OK
	SOILING AND CLEANABILITY (LIQUID SOAP) Pulibilità dopo sporco sapone neutro liquido	after cleaning min rating 4	FLTM BN 112-08 ISO 105-A02	OK
	SOILING AND CLEANABILITY (GLASS CLEANER) Pulibilità dopo sporco pulitore vetri	after cleaning min rating 4	FLTM BN 112-08 ISO 105-A02	OK

□□■ technical data report: **leather**

	CHARACTERISTICS	SPECIFICATION TOLERANCE	RESULTS	MEASURING UNIT
FASTNESS TO RUBBING AT 10% ELONGATION AND 10N LOAD EVALUATION GRAY SCALE estensione provino su veslic 10% e valutazione con scala dei grigi	SOILING AND CLEANABILITY (WASHING-UP LIQUID) Pulibilità dopo sporco detersivo per lavastoviglie	after cleaning min rating 4	FLTM BN 112-08 ISO 105-A02	OK
	SOILING AND CLEANABILITY (SHAMPOO) Pulibilità dopo sporco shampoo	after cleaning min rating 4	FLTM BN 112-08 ISO 105-A02	OK
	SOILING AND CLEANABILITY (GLUE STICK) Pulibilità dopo sporco colla	after cleaning min rating 4	FLTM BN 112-08 ISO 105-A02	OK

□□■ technical data report: **leather**

	CHARACTERISTICS	SPECIFICATION TOLERANCE	RESULTS	MEASURING UNIT
SHRINKING BEHAVIOR Restringimento	AFTER 168 h AGING AT ELEVATED TEMPERATURE (120°C MECHANICALLY CIRCULATED AIR) In stufa a 120 °C con riciclo aria per 168h	≤ 5 %	3,51	%
	BURNING BEHAVIOR ACC TO US LAW 571 302 infiammabilità	< 100 mm/min non infiammabile	Not flammable	mm/min

□□■ technical data report: **leather**

	CHARACTERISTICS	SPECIFICATION TOLERANCE	RESULTS	MEASURING UNIT
EMISSION ACC. TO VW 501 80	EMISSION	≤ 100 ugC/g	71	ugC/g
	FOGGING	≤ 5 mg	3,64	mg
	ODOR (AFTER 2h AGING AT 50°C)	typical for leather, not disturbing	No odor	Odor scale
	FORMALDEHYDE formaldeide	≤ 10 mg/kg	< 2	mg/kg

The tests were conducted according to the following standards:
 USA: ASTM (American Society for testing and materials)
 Italy: UNI EN ISO IUC IUP, IUF
 Germany: DIN (Deutsches Institut für Normung)

□□■ technical data report: aluminium tile

Panel Type	Alu hl 10-03-05 hl / H10
TOP COVER SHEET	
Thickness of sheet	1.0 mm (US: 0.039 in)
Surface	primered
Alloy / Condition	EN AW-5754 H48
Proof stress $R_{p0.2}$ / Tensile stress R_m [N/mm ²]	≥ 220 / ≥ 280
BACK COVER SHEET	
Thickness of sheet	0.5 mm (US: 0.020 in)
Surface	primered
Alloy / Condition	EN AW-5182 H48
Proof stress $R_{p0.2}$ / Tensile stress R_m [N/mm ²]	≥ 300 / ≥ 330
DIMENSION	
Overall thickness	10.0 ± 0.2 mm (US: 0.394 in ± 0.008 in)

□□■ technical data report: aluminium tile

MECHANICAL AND PHYSICAL PROPERTIES ⁽¹⁾	
Weight [kg/m ²]	5.7
Rigidity [Nmm ² /mm] ⁽²⁾ EI/b longitudinal / transverse	3.0 E+6 / 2.1 E+6
Bending moment [Nmm/mm] ⁽²⁾ Limit of elasticity M_{el} longitudinal / transverse Max. bending moment M_{max} longitudinal / transverse	≥ 1,550 / ≥ 850 ≥ 2,000 / ≥ 1,000
Compressive strength [N/mm ²] ⁽³⁾	≥ 3.5
Temperature stability	-40 to 100°C (US: -40 to 121°F)

(1) Further characteristics can be supplied on demand

(2) Bending test following DIN 53293

Since the panel core is a corrugated sheet, two different load cases have to be considered:

longitudinal: bending axe perpendicular to the corrugation

transverse: bending axe parallel to the corrugation

(3) Pressure test following DIN 53291



inpelle
Leather p a s s i o n

Via Strà 100
37050 Belfiore d'Adige
(Verona) Italia
Phone +39 045 614 5252
Fax +39 045 614 5222
info@inpelle.net
www.inpelle.net