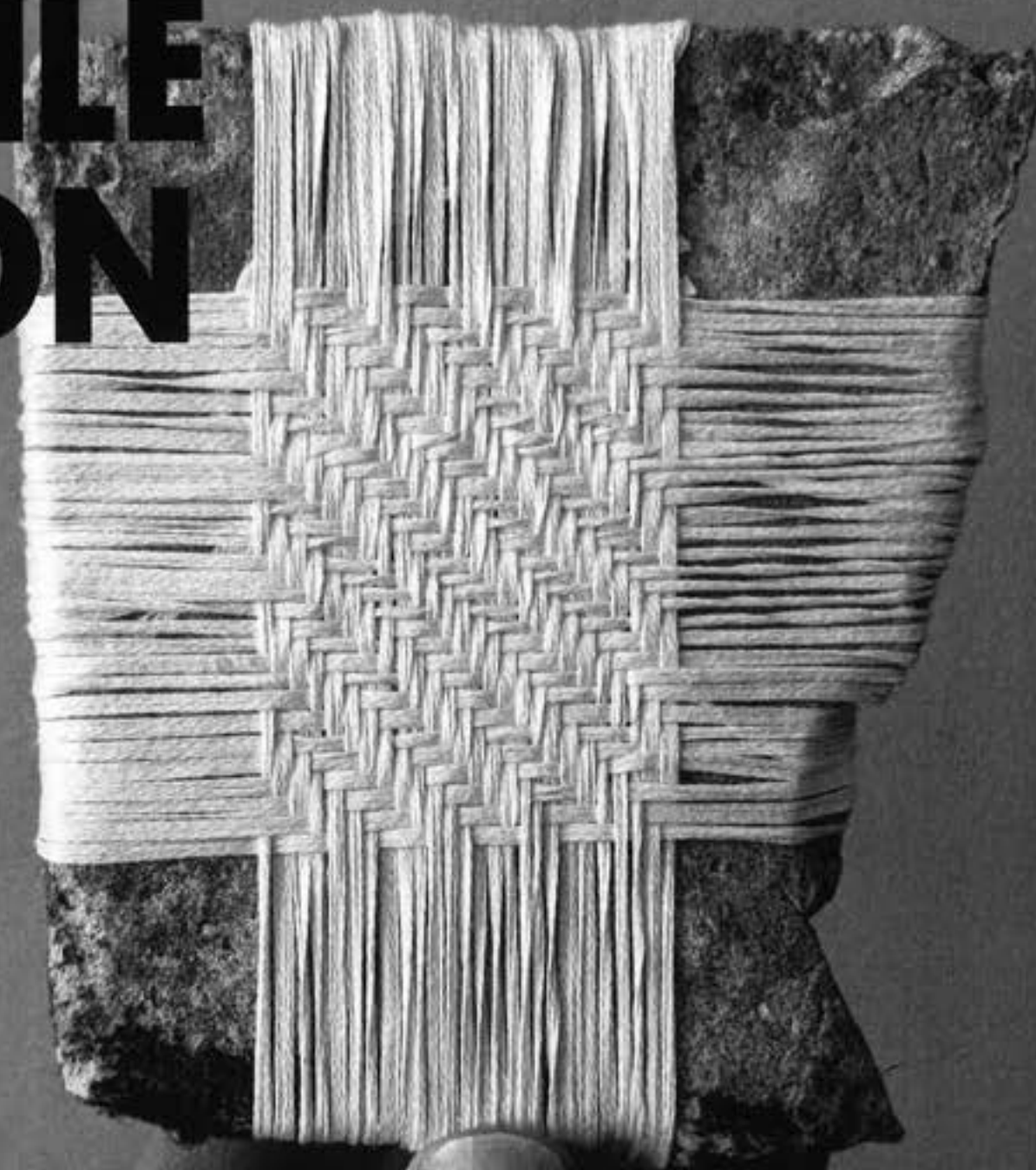


THE EUROPEAN HEMP TEXTILE INSPIRATION BOOK

TERRITORIES OF EXPRESSION
HEMP4CIRCULARITY





Welcome to the world of European textile Hemp - long fibres.

This book is the result of a collective effort bringing together, for the first time, farmers, researchers, industrial players, agricultural machinery manufacturers and agro-industrial organisations from the North-West European region, within the Hemp4Circularity programme, supported by the European Union.

Mostly Flax-Linen recognised experts, the partners pooled their R&D efforts to bring about a new material: **a long textile Hemp fibre, retted and scutched through a mechanical process.**

This ambitious development paves the way for a fibre with a **strong, distinctive personality**, widening the field of possibilities for the Fashion, Accessories and Interiors markets.

Designed as a tool for dialogue between creation and industrialisation, this book highlights material interpretations, fibres, yarns and first applications in woven and knitted structures, to showcase the potential of a committed European textile Hemp value chain, and to inspire your reflections on style, handle, drape and finish.

We invite you to explore, touch and interpret these developments, to project innovative Hemp materials into your future collections.

Enjoy this tactile and visual discovery!

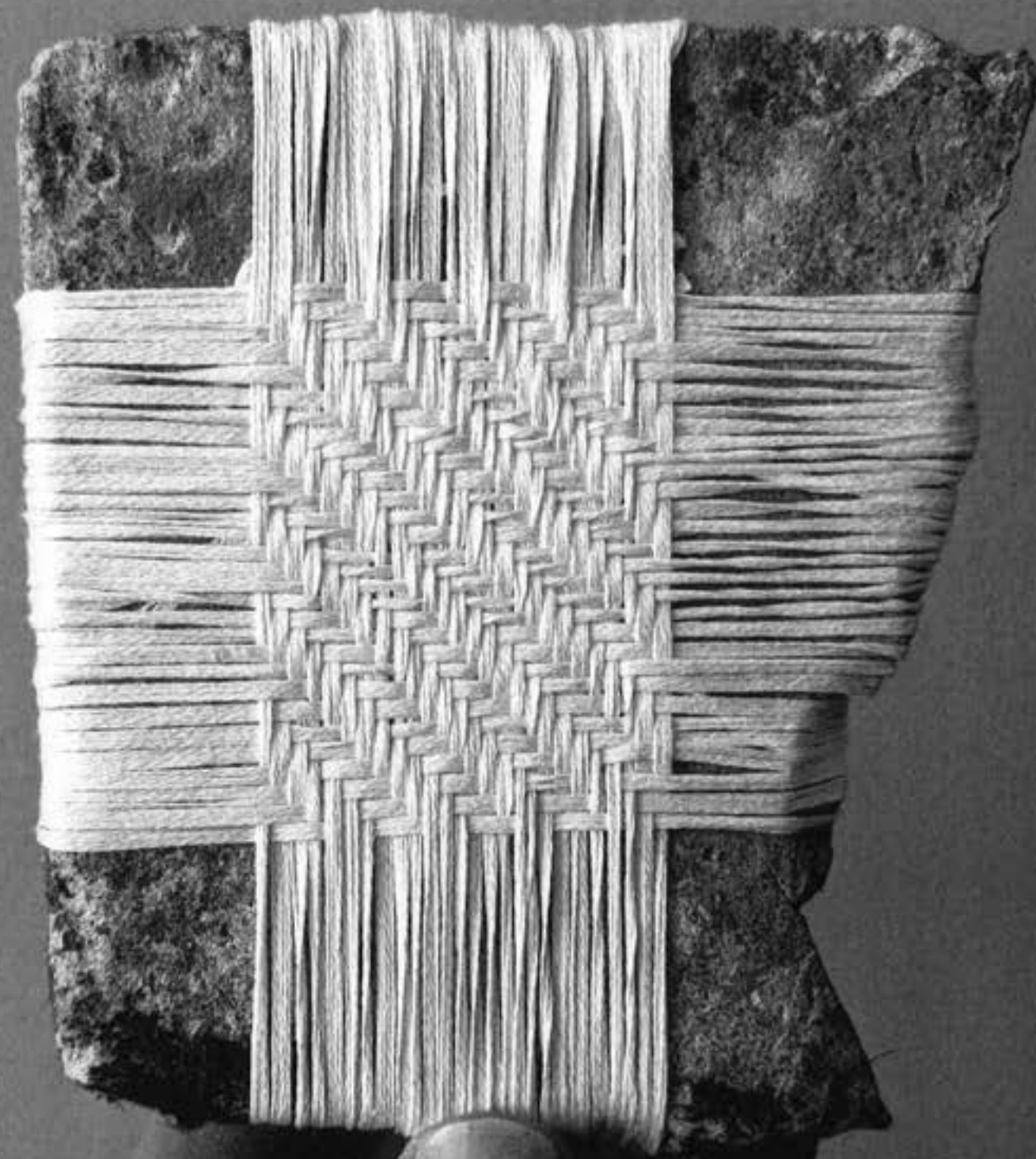
TERRITORIES OF EXPRESSION

Worked by humankind for millennia, textile Hemp is today being reconsidered in the light of the contemporary challenges facing the Fashion, Accessories and Interior design sectors. Technological innovations, environmental requirements, market shifts and new consumer expectations are shaping a new framework with the key ambition: to combine **performance, purpose and creativity**.

In this context, this book proposes **TERRITORIES OF EXPRESSION** for European textile Hemp, built on a process of listening and dialogue throughout the value chain, all the way to weaving and knitting. Cross-disciplinary expertise and feedback from experience have made it possible to approach the physical and sensory characteristics of Hemp - as a bast fibre, with its specificities, complementary to Linen - and its own expressive potential: density, relief, light, texture, presence.

Beyond the fibre's local, responsible and innovative features, its intangible dimension has been examined in order to build an inspiring and truthful narrative: imaginaries, perceptions and aesthetic codes.

On this basis, a **pilot collection** has been developed with one conviction: within a responsible development approach, **desirability** and **purpose** must move forward together if textile Hemp is to be anchored in a realistic and sustainable future. Around a **dedicated colour palette**, the samples presented, yarns and fabrics, were developed specifically by the project partners: combining techniques at lab, industrial and artisanal scales. These first inspirations are promising seeds to be cultivated and nurtured into your future creations.



A FIBRE OF CHARACTER

Hemp is a fibre of character. Its **authenticity** calls for humility and respect. Slightly “rebellious” to the touch, Hemp demands **expertise and patience** to tame its strong nature and translate it into unique aesthetic value and new opportunities.

At every stage of its transformation, the material conveys a **sense of strength** and an expectation of longevity. It enhances the marks of time and brings a soulful depth to **simplicity**.

Bold shapes, faded surfaces and functional details become design elements to be explored in apparel, interior décor, and accessories.

resistant

uncomplicated

reliable

bold

sturdy

long life

tireless



HUMAN MADE

Beyond the natural state of Hemp, transformation lies at the heart of the narrative.

The manufacturing **process** becomes the central subject, with artisans, workers, engineers, and designers as its protagonists. Ancestral **craftsmanship** meets contemporary **innovation**: secular techniques coexist with cutting-edge industrial processes. Expertise converges, and a collaborative mindset is intrinsic to innovation.

"Human made" embodies this **collective** endeavor, in which every link in the chain interacts. The **raw beauty** of workshops, factories, machines, and gestures is brought into focus, revealing the poetry of everyday objects and tools.

re-shaped
know how

test and learn

ancestral
and innovative

made by workers

humble

hands in

experts



THE HEMP FABRICA

brutalist

raw and
domesticated

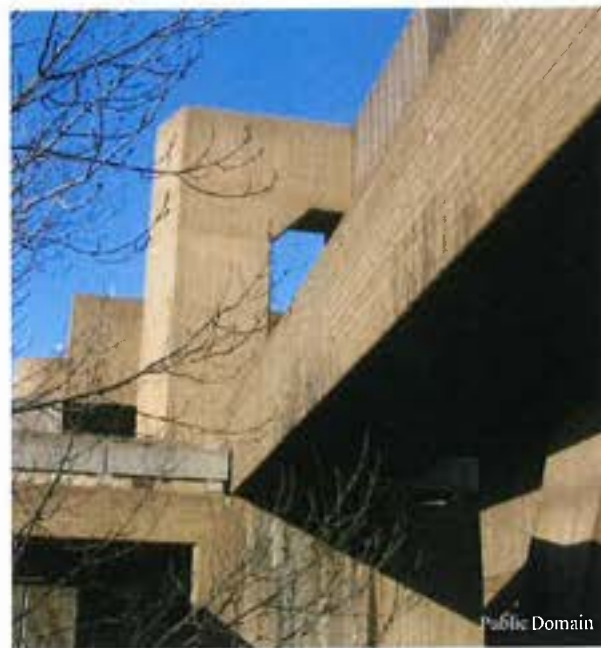
industrial
architecture

no make up

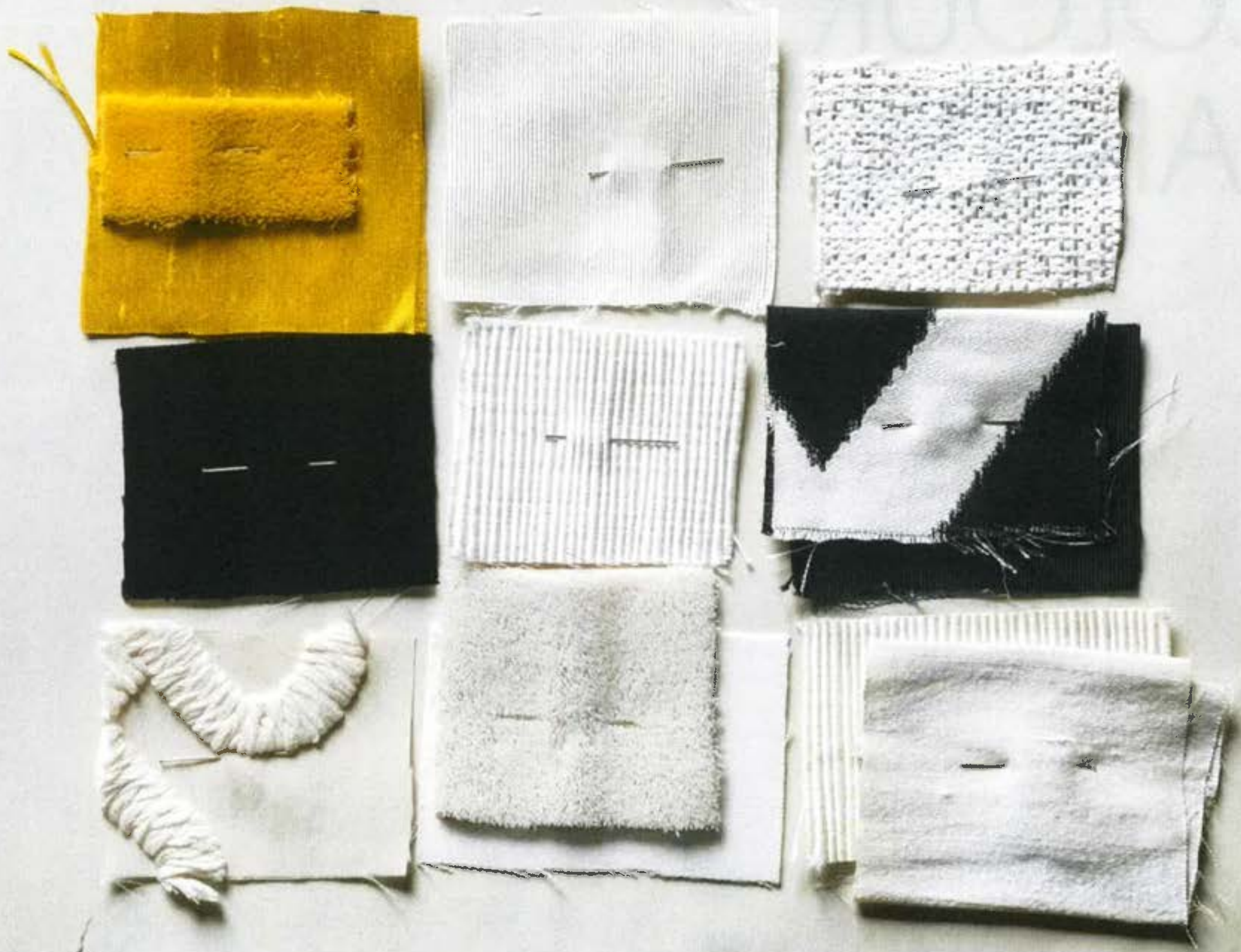
Japanese
influence

Architecture today is embracing practices that resonate with the ambitions of the European textile Hemp industry. Brutalist architecture and Japanese architectural traditions, in particular, **celebrate materials** by revealing the naked beauty of stone, concrete, and wood. Resource use and material life cycles stand at the core of architectural thinking.

The "Hemp fabrica" deserves to be made visible and valued, by reconnecting textiles with the **reality** of their production and geographic roots. **Industrial buildings** and manufacturing sites are increasingly recognized as essential markers of regional **heritage** and **identities**.



COLOUR TERRITORY



COLOUR RANGE

This colour range has been defined to coordinate the textile developments and read them as a collection.

The chosen tones reflect the current spirit of the times in Fashion and Home, they also demonstrate the **dyeing potential** of Hemp in all colour values: light, bright, soft and neutral.

The focus is on a **mid-season colour** mood enhancing the potential of Hemp for Autumn and Spring and longer uses within wardrobes.



DYEING TESTS: PLURAL YELLOWS



Pigment dye
without bleaching



Natural dyeing process
with buckthorn colouring extract,
mordancing aluminium sulfate
and sodium acetate
by Celine Thibault



Reactive dyeing
on bleached Hemp



Reactive dyeing
on boiled non bleached
Hemp



Yarn dyeing
on bleached Hemp yarn

INNOVATIVE DYEING PROCESS, 100% BIO BASED BY EVERDYE

This colouring technology moves away from petroleum-based dyes and offers a **non-toxic alternative** thanks to biosourced pigments and biosourced organic polymer as binding agent, through a disruptive chemical synthesis.

Developped for **cellulosic fibres**, this new technology was successfully tested on these Hemp textiles.

The result reveals hues rooted in the complex color language of nature. Rather than producing flat, standardized tones typical of synthetic dyes, this technology allows for **rich, nuanced shades** that interact with the fiber itself.

Sustainability features: the technique radically improves the energy efficiency of the dyeing process. By operating without heat and within short treatment cycles, it substantially reduces energy consumption and associated carbon emissions.



YARN TERRITORY



The processes for European Hemp long fibre enable to spin medium count yarns, and potentially finer counts in the future. They also yield co-product shorter fibres, used to spin bigger counts.

For more information about these processes, please refer to the Mapping of Hemp processing steps.



FABRIC TERRITORY

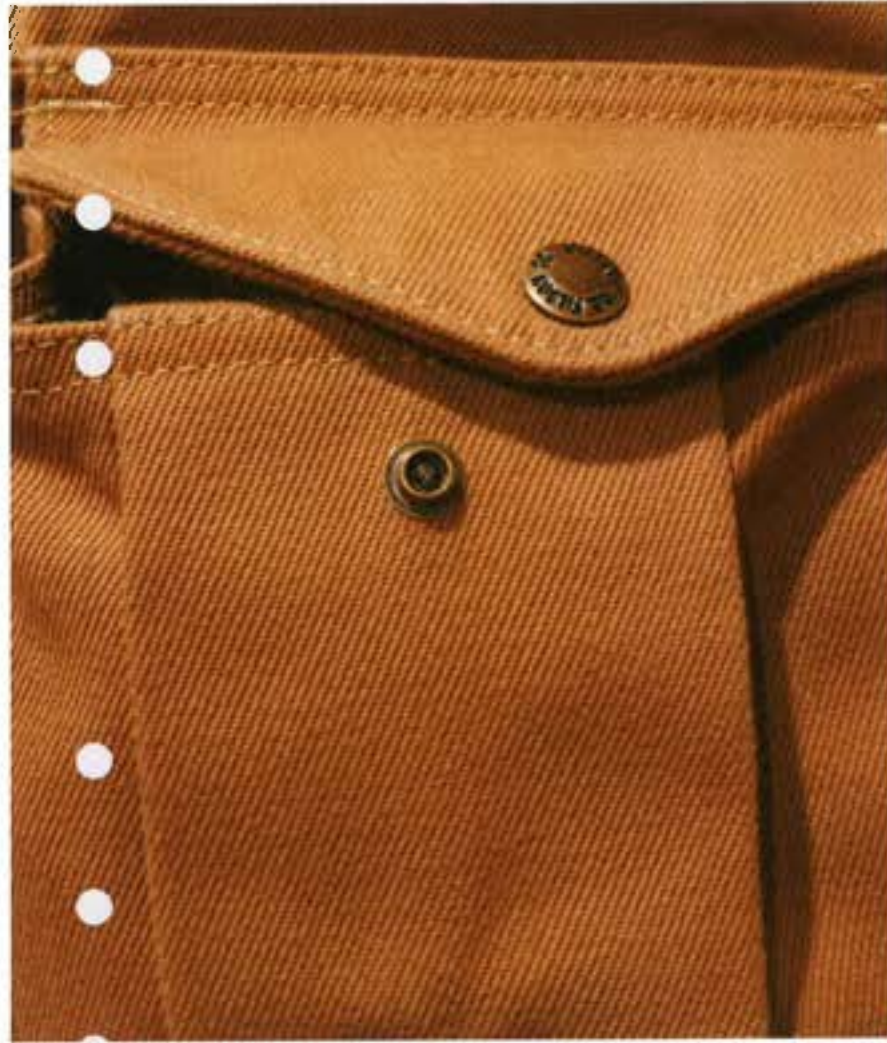


UTILITY



Workwear naturally stands at the core of Hemp's territories of expression. It reflects craftsmanship as well as industrial world with a balance between **simplicity** and intelligent functionality. Inspiring portraits of workers draws on **time-tested garments**, vintage aprons, overalls, and protective workwear, all designed for durability, freedom of movement, and **purpose**. References also extend to traditions from other cultures and to **utilitarian** bags and home accessories, where function, material integrity, and smart construction are essential.





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TWILLS & CO

Twills, covers, herringbones and moleskin satin: the essence of workwear is embedded in diagonal weaves, intrinsically resistant, supple and smooth.

HOME
FASHION

ACCESSORIES





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HOME FASHION ACCESSORIES



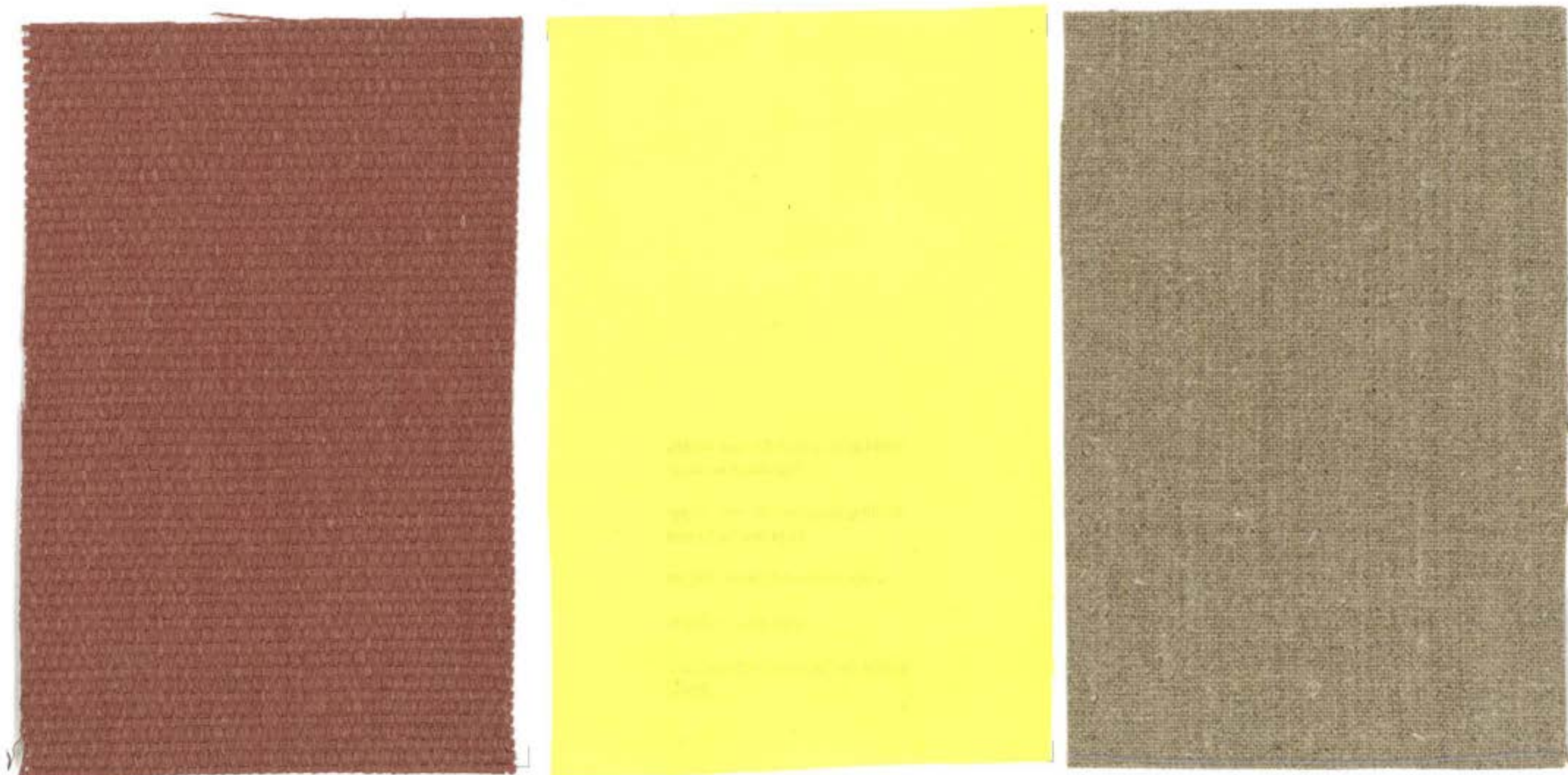


TOUGH TECH

Using technical finishings, specific coatings to enhance the Hemp natural sensation of solidity. First paths to think about truly performant Hemp for sports, all-purpose clothing, all terrain bags and shoes.

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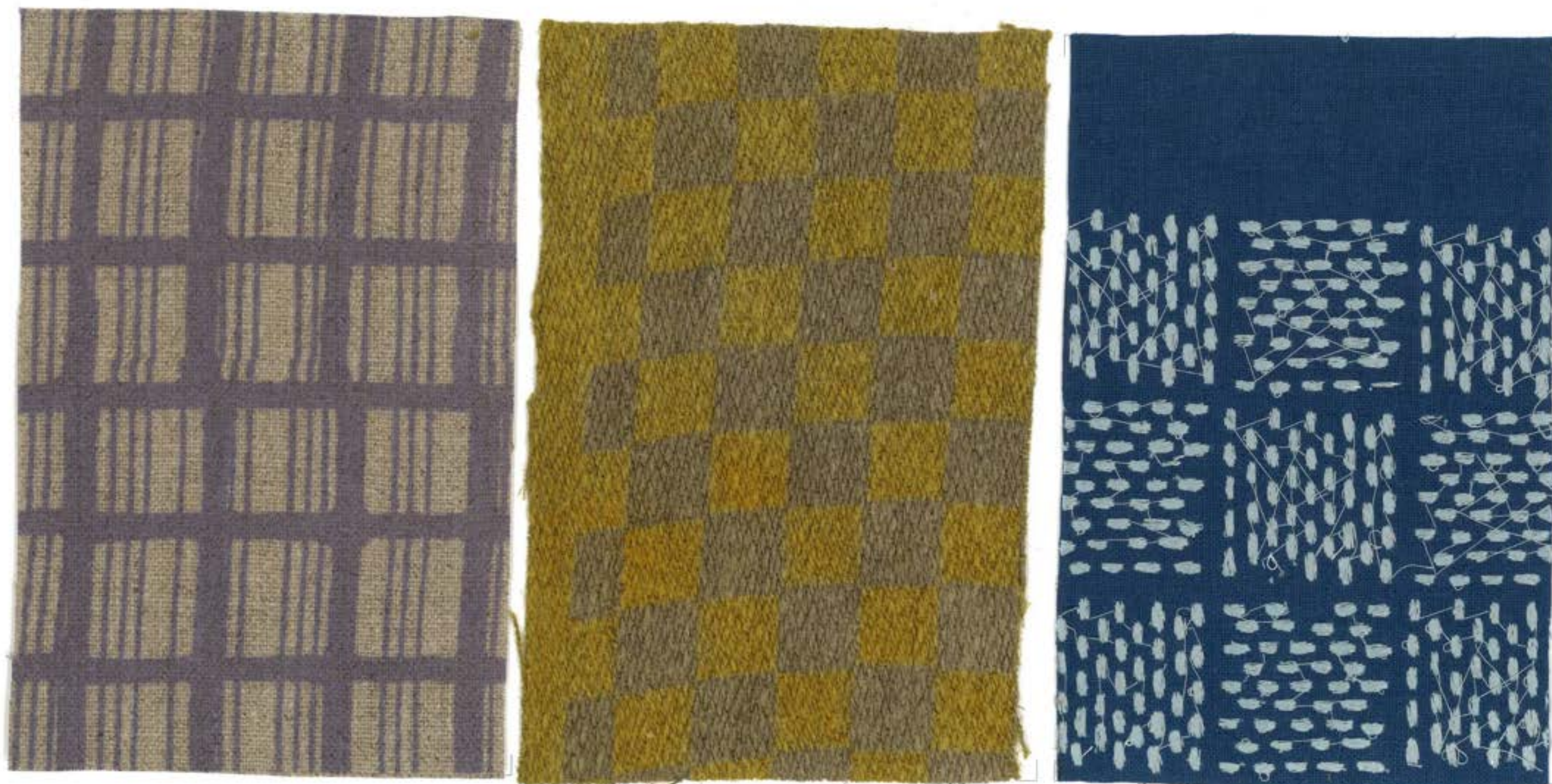




WORK & FOLK PATTERNS

From digital printing, screen printing to laser and embroideries, simple bicolor patterns, graphic & universal.

HOME FASHION ACCESSORIES



TAILORING MEETS CASUAL

This **relaxed** style blending the **elegance** of tailoring with the comfort of casualwear aligns naturally with the Hemp character. Far from any formality or rigidity, **suiting-inspired** fabrics borrow visual codes from citywear and **urban** surroundings. While maintaining a structured appearance, they deliver the handfeel and **comfort** of **well-worn** garments thanks to finishing processes.

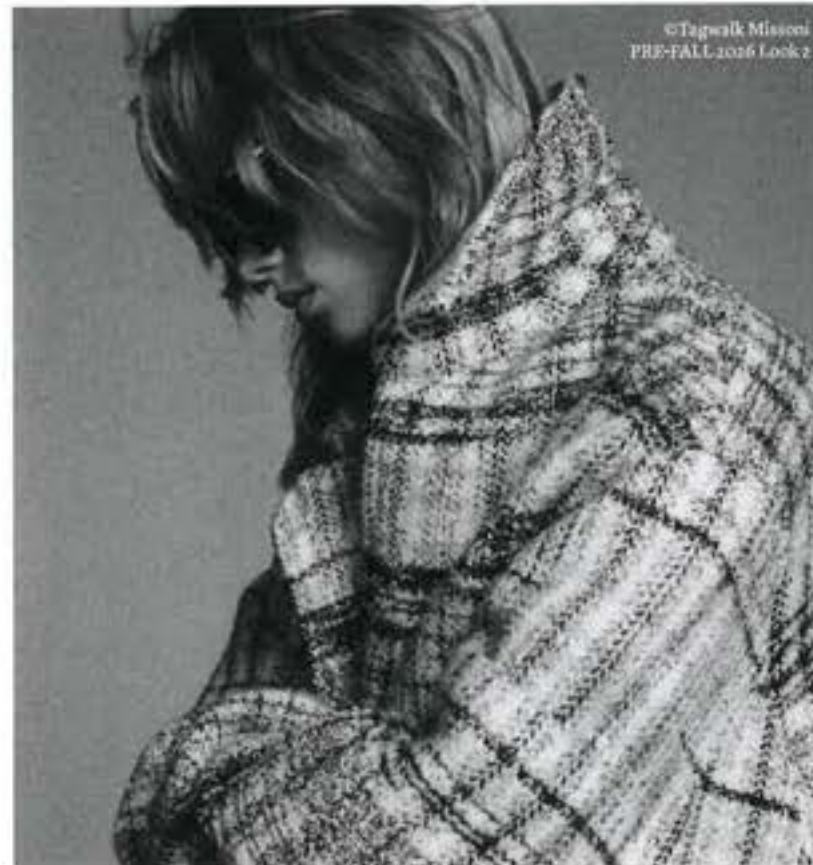
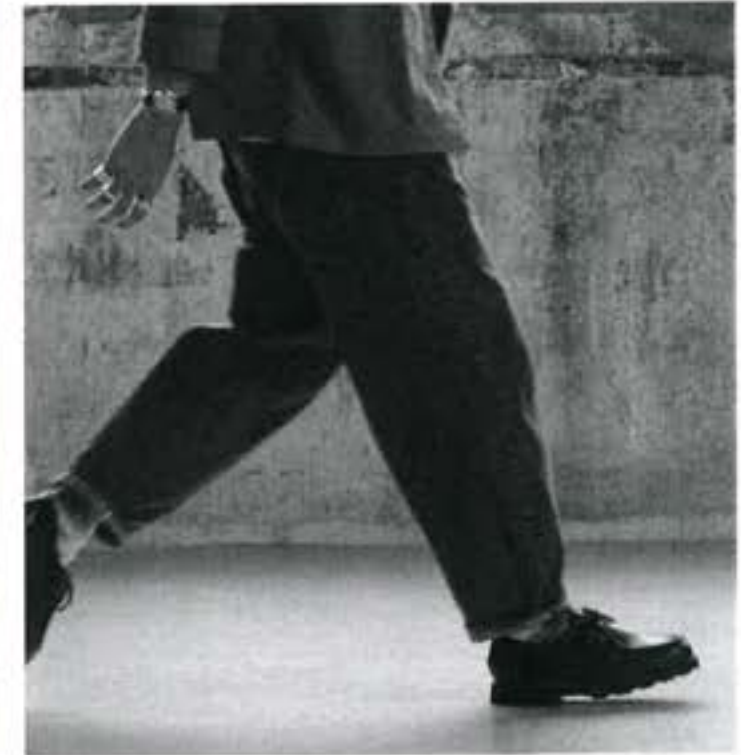


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BLURRY GAMES

Boiled and bleached Hemp yarns are woven in warp and weft recalling typical tailoring blurred textures. Left undyed or dyed with no bleaching, they deliver subtle and toned-down colours.

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SUITING STYLE YARN DYEDS

Classic houndstooth and yarn-dyed rich faux solids. Iconic suiting patterns, which can be interpreted in a relaxed-chic or deliberately casual direction, depending on the finishing processes, with varying degrees of washing and softening. With accurate weights and specific features, they are also suitable for home use.

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FINE KNITS

Rectilinear jerseys and ribs, with a crepe-like touch and lively handle.

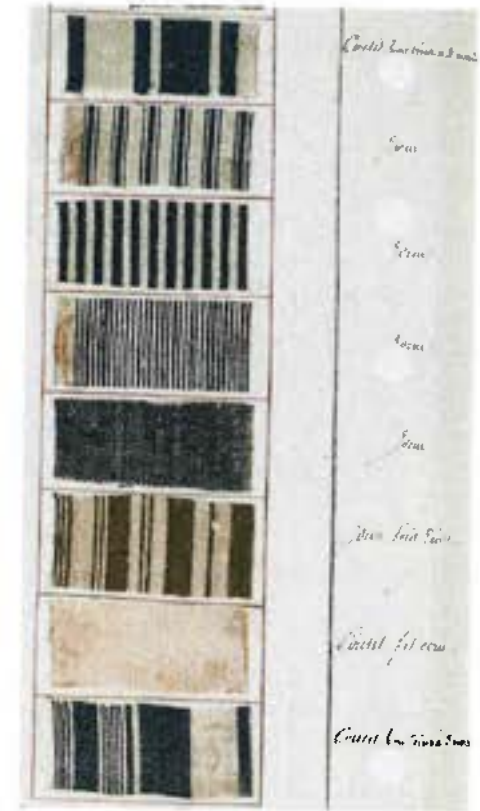
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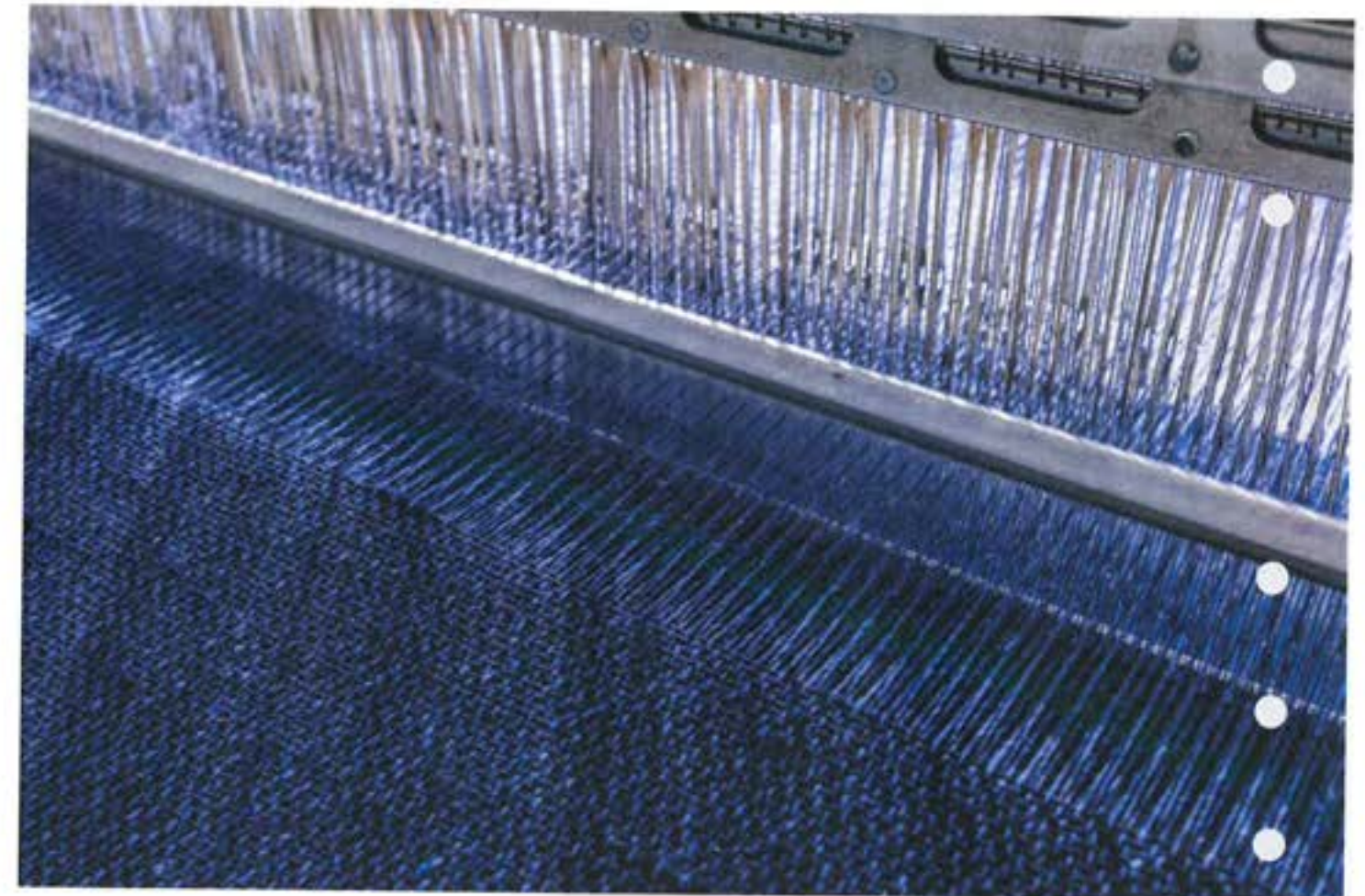
FINISHING: Paraffin, 30

DENIM



The well-known features of jeans resonate strongly with Hemp character: **authenticity, universality**, and expected durability. Denim also stands apart as the fabric in which **fading and distressing** are elevated into a genuine craft, almost an artistic expression.

Drawing inspiration from raw, unwashed **Japanese denim**, the Hemp interpretation follows the guidelines, the **recognizable** weaving bindings and the famous **indigo** blues. These « Hempy » denims move toward a refined expression of **luxury and craftsmanship** for fabrics to be shaped by time, wear, and the inherent quality of the fibre.



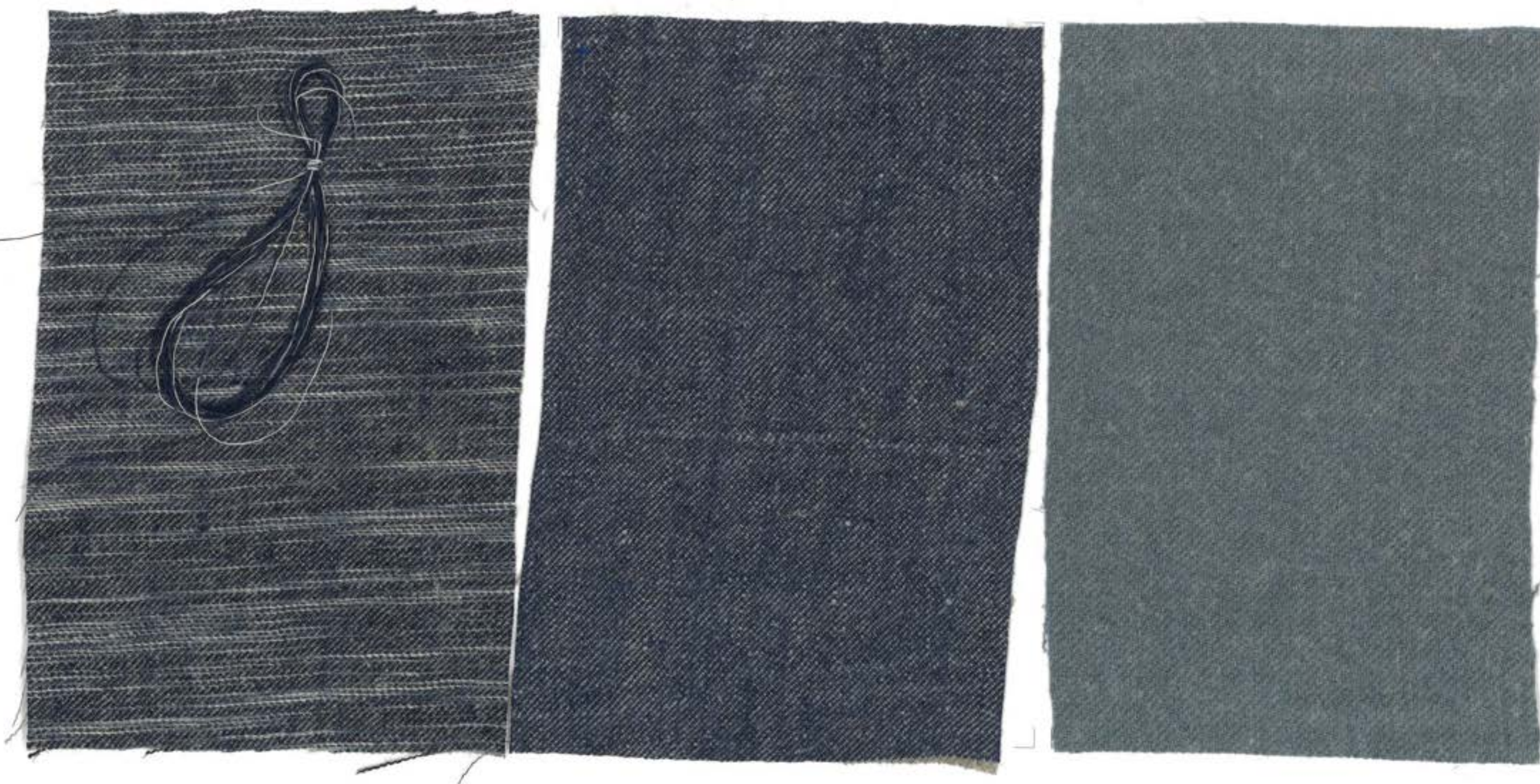




ICONIC TWILLS

Paying respect to the true denim and targeting a high-end denim, where the fading is not forced but ready to be revealed by the wear. Twill 3x1, yarn dyed, indigo blue, typical finishings as key features.

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DENIM VARIATIONS

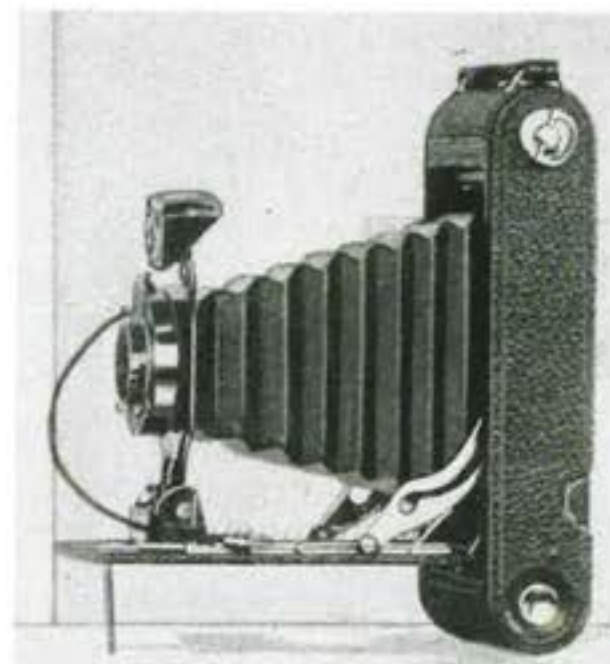
Escaping from the model while keeping the main features, these denims are intended for other uses: even more elegant, for outerwear, or targeting home and accessories.

HOME FASHION ACCESSORIES



COSY COMFORT

Free from preconceived seasonality codes, Hemp textiles naturally position themselves in **mid-season** markets. **Soft finishes** enhance their appeal for products designed for comfort, warmth, and a sense of cosiness. **Versatile outerwear** and outdoor sportswear stand out as key areas for exploration. Drawing inspiration from British tweeds, **shetlands** and classic outdoor wool fabrics, the colours and textures open up **broad creative** possibilities, spanning fashion, home interiors, and accessories.







SHETLAND STORY

Drawing out the woolly potential of Hemp through the use of thicker yarns, looser weave structures, and intensive washing and stone-washing processes. Crossed twill constructions combined with a fuller, warmer handfeel create the illusion of a Shetland-style fabric made entirely from plant-based fibres.

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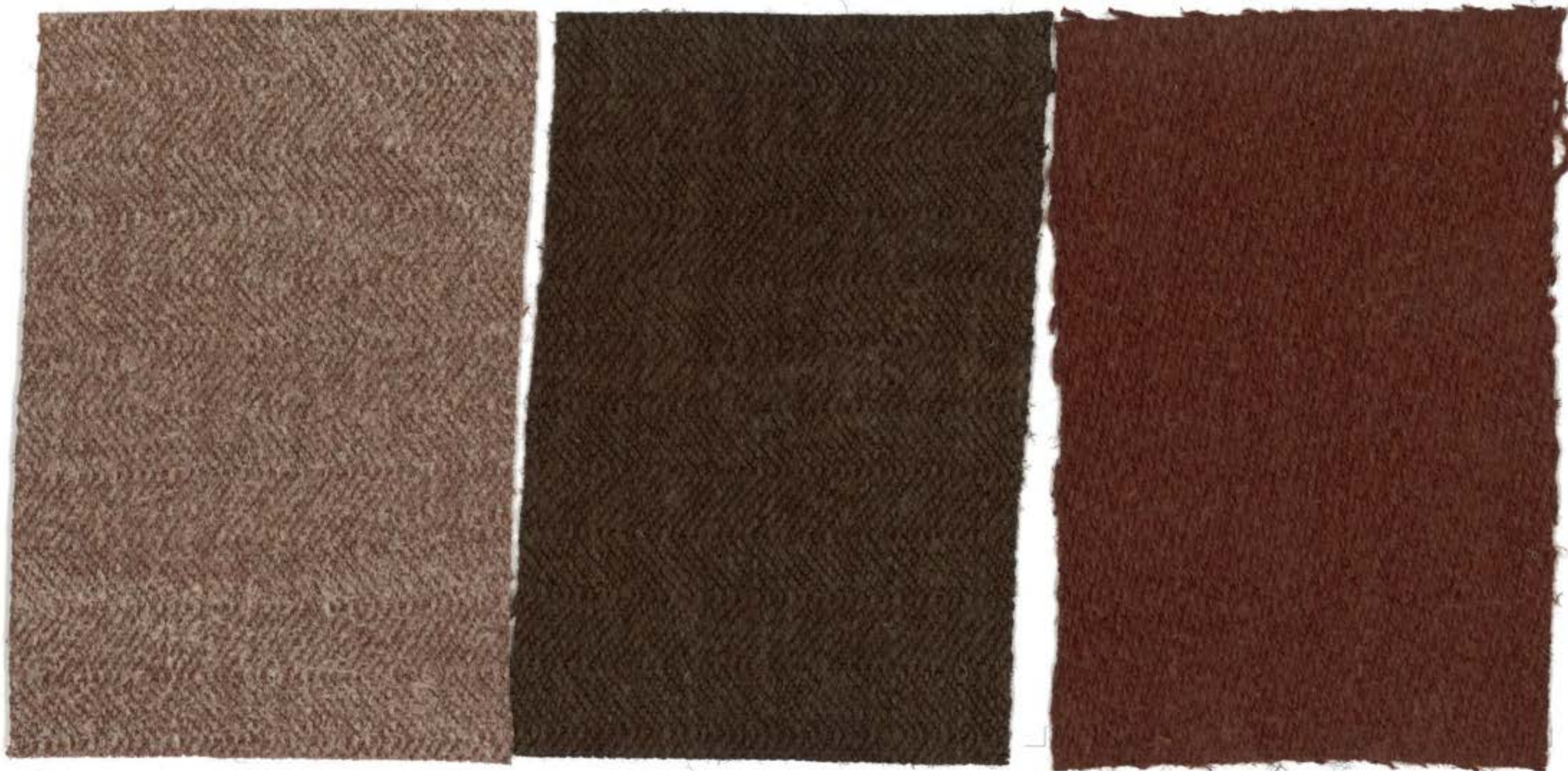


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RAW LUXURY

Weaves speak loudly thanks to extra big yarn counts. As spectacular to the eyes as to the touch, they suit home textiles and accessories with strong character.

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THANKS TO

