

sappi | Ultracast

Coated Fabric Casting Papers

Ultracast® casting papers provide the ultimate in product aesthetics, offering flawless texture replication for discerning brand owners. Capturing 100% of the intended texture without relying on mechanical embossing of soft thermoplastic films, Ultracast locks the texture into a robust and durable acrylic matrix; impervious to heat or usage, the texture remains unfazed. No gloss shifts to worry about, no fidelity loss with use, 100% of the intended texture 100% of the time.

The Ultracast Coated Fabric Advantage

100% Fidelity

The Ultracast process creates textures at the nanometer scale. Textures remain the same; reuse after reuse; year after year; roll after roll.

Haptics and Touch

From rough to smooth, from matte to gloss - Ultracast creates the most advanced haptic experience available in coated fabric today. Multiple gloss levels can be achieved in the same texture, making an experience like none other.

Chemistry

There is an Ultracast paper for every chemistry, from simple PVC, to heavily crosslinked Polyurethane (PU) for demanding applications, to high temperature casting - Ultracast works with you and your manufacturing process. Unlike other processes, Ultracast paper does not require post-embossing or lacquer application to achieve the final surface - the texture and the finish is completely created by the paper.

Consistent Release

Ultracast's acrylic coating is made with thermoset coatings which have an incredibly high hardness level. This helps to keep the casting surface from scratching and making release harder.

Special Collections

Sappi's Touch, Radiant, and Zen collections are curated to show off the capabilities of Ultracast. A range of gloss levels are featured in the Zen Collection, unique polychromatic surfaces are highlighted in the Radiant Collection, and the Touch Collection shows off the soft ultramatte surfaces that only Ultracast can create.

Reuse

Ultracast casting papers have been designed for optimal reuse capabilities. Multiple reuses help reduce the average cost of every production run.

Ultracast Universal

General purpose casting paper for single component solvent-based polyurethane (PU) and PVC casting applications.

Ultracast Nexus

Casting paper designed to resist cracking, brittleness, and curling for high-temperature PVC, semi PU, and PU casting processes.

Ultracast Adva

Advanced casting technology for solvent and aqueous-based, crosslinked PU chemistries commonly used in athletic footwear and luxury article markets.



Ultracast Casting and Release Papers vs. Embossed Papers

	Sappi Ultracast	Embossed Paper
Texture Fidelity	Sappi Ultracast can be made at the nanometer scale; enabling the creation of the touch collection and radiant collection. Multiple gloss levels can be made in the same texture.	Mechanically embossed papers are only able to be made at the micron level. Single Gloss level only.
Texture Consistency	Sappi Ultracast remains the same reuse after reuse. This ability avoids nonconformity issues.	Thermoplastic materials are subject to deformation during the curing process of the chemicals, textures are subject to change over use and time.
Chemical Versatility	All types of chemistries can be coated. One brand can suit all of your applications.	Aggressive chemistries cannot be used on deep textures.
Texture Durability	The thermoset chemical composition of Ultracast makes it exceptionally scratch resistant.	Embossed coatings can be easily scratched during handling and processing.

Ultracast Casting and Release Papers vs. Post Embossing

	Sappi Ultracast	Post Embossing
Texture Efficiency	Ultracast Casting creates a finished material at the end of a casting line. It is a one step process.	Requires another machine and manufacturing step.
Texture Consistency	Ultracast remains the same reuse after reuse with 100% texture fidelity.	Thermoplastic materials are subject to deformation during post embossing, textures are subject to change of aesthetics and gloss over use and time.
Chemical Versatility	All types of chemistries can be coated using Ultracast. From simple PVC to heavily crosslinked PU, there is an Ultracast grade for all your applications.	Only thermoplastic materials can be coated for post embossing.
Texture Gloss	Ultracast release paper creates the gloss levels for finished materials. There is no need for extra machinery, chemicals, or manufacturing processes.	Requires extra lacquer, machinery and manufacturing steps to achieve gloss levels.

The Sappi Advantage

Innovation

At our Westbrook mill, we continue to invest in our assets, each piece of equipment designed to deliver a high-quality product with optimal performance throughout the casting process.

Since 1926, Sappi's technology center has been creating many industry technical-firsts; from the invention of release paper, the innovation of the e-beam process, to state-of-the-art textures offering breakthrough functional surfaces.

Sales and Tech Support

Our teams have the expertise and dedication to ensure customer success before and after the sale. The Sappi technical services group can help with all aspects of casting and lamination and our sales team provides end-to-end customer support.