

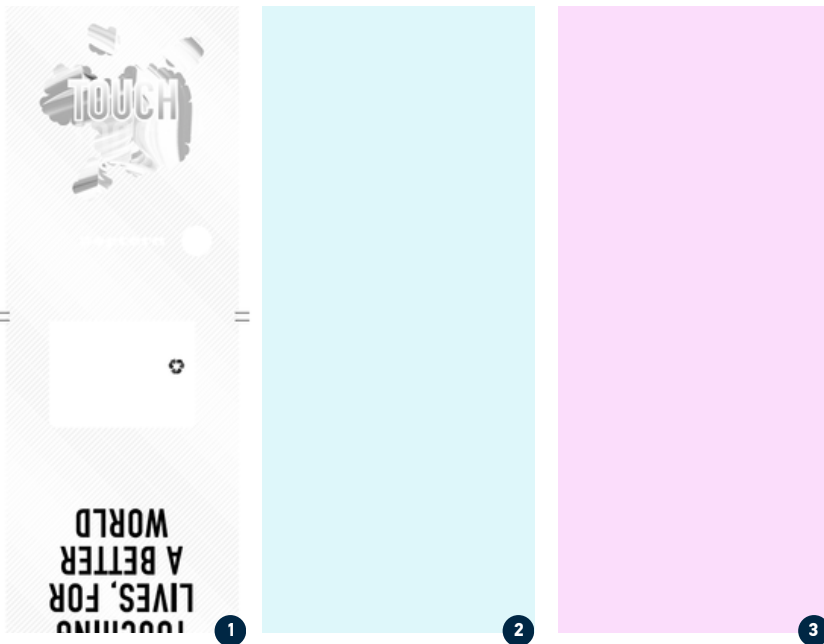
# TUTORIAL: POPCORN POUCH

## Project Introduction

This popcorn pouch demonstrates how functional barrier coatings and refined surface design come together in a premium paper-based packaging concept. A heat-resistant matt exterior enhances shelf appeal, while Repura™ Plus Barrier coatings on the inside provide effective oxygen (OTR) and moisture vapour (MVTR) protection to preserve freshness and texture. The layered construction ensures reliable product protection without compromising design or recyclability, showcasing how advanced barrier technology supports both performance and visual impact in modern snack packaging.



## Project Description



### Layer 1:

**Senolith® WB FP Matt Coating Heat Resistant 20F 6610** is applied to the outside to deliver a smooth, matt surface with improved heat resistance. This coating enhances shelf appeal while providing durability during filling, sealing, and handling.

### Layer 2:

**Repura™ WB FP Plus Barrier Coating 40F 3070** is applied to the inside to establish an effective barrier against oxygen (OTR). This layer supports aroma and freshness retention, helping to preserve the popcorn's quality over shelf life.

### Layer 3:

**Repura™ WB FP Plus Barrier Coating 60F 3025** completes the barrier system by delivering enhanced moisture vapour protection (MVTR). The combined barrier performance helps maintain crispness and texture while ensuring safe direct food contact.

## Key data:

Substrate	UPM Solide Lucent with 90g/m2
Machine	HP Indigo 6900
Primer & Inks	Stahl NuVera TopPrime 130 & HP low migration Electro Ink
Machine	Gallus RCS 430
Printing process	Digital Printing and Flexo Printing
Coatings	Stahl Packaging Coatings

Cooperation partner:



Our team is keen to help you out, for further information and individual consultation.

[www.stahl.com/packaging-coatings](http://www.stahl.com/packaging-coatings)