

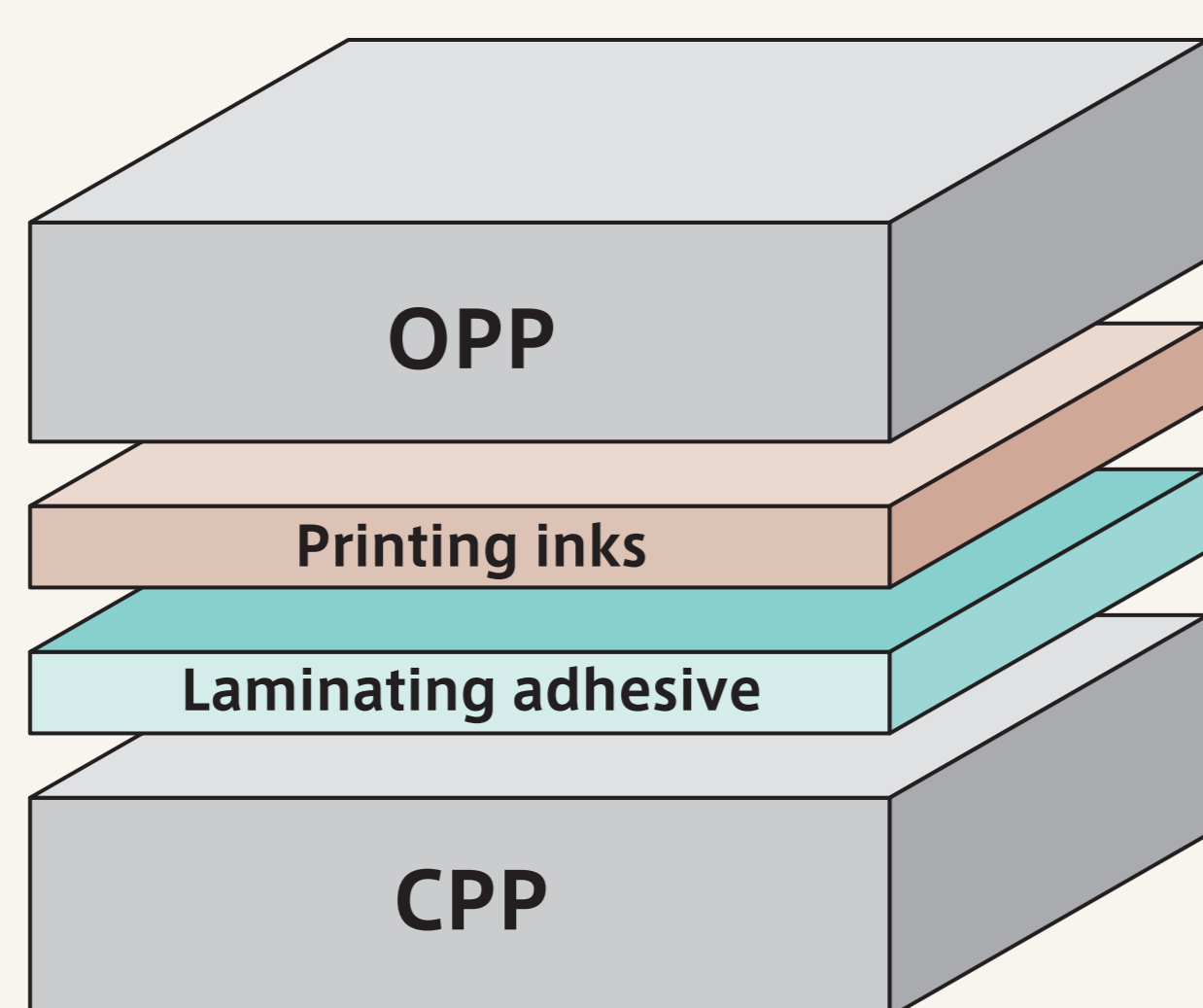
Heat sealing coating for paper packaging with high biomass contents

Q208 AQUASEAL® P

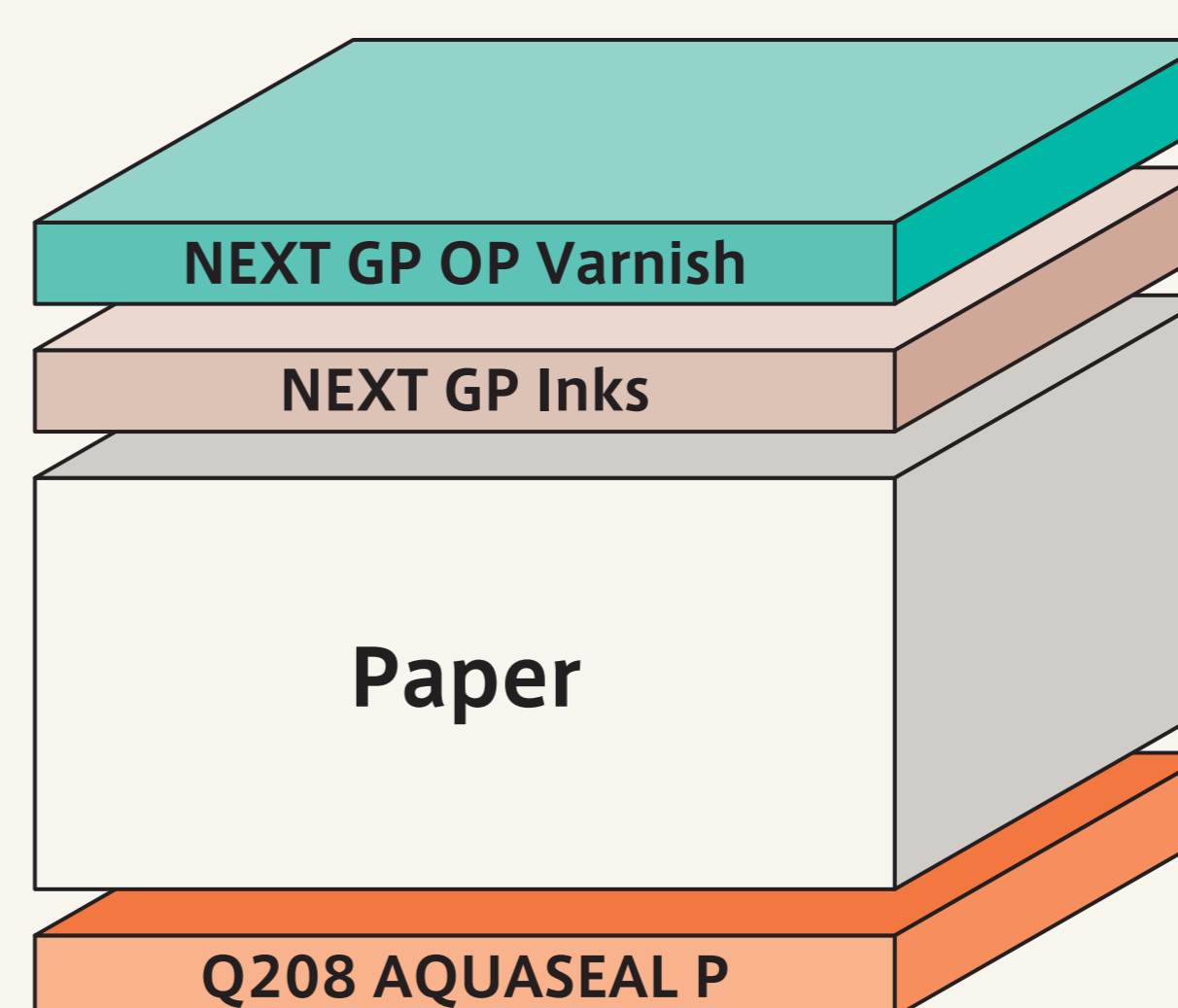
- Heat sealing agent made with 100% biomass coming from upcycling resources
- Suitable for primary food packaging with high safety for food
- Possibility of increasing the biomass content of the packaging when used in combination with OPP varnishes and inks made from biodegradable resins

Structure

Example of conventional structure



Proposed paper-based structure



Properties

Coating method: Gravure printing

	Printing passes	Dry coating weight (g/m ²)	Moisture content of coated surface (%)	Heat sealing strength (N/15 mm)			
				120°C	140°C	160°C	180°C
Q208 AQUASEAL P	60 μ x 2 passes	6.0	Less than 6%	2.0	2.2	2.3	2.5
			7 to 8 %	2.8	3.2	3.4	3.5
			8 to 13 %	3.5	3.7	4.3	4.3

It is necessary to control the moisture value at the surface during heat sealing.
If the moisture is below 7% a higher heat sealing strength can be obtained

- ※Using Lactips resin manufactured by Lactips
- The main component is casein, which is found when processing raw milk
- It is biodegradable, water-soluble, and has excellent gas barrier properties, making it suitable for a wide range of uses.