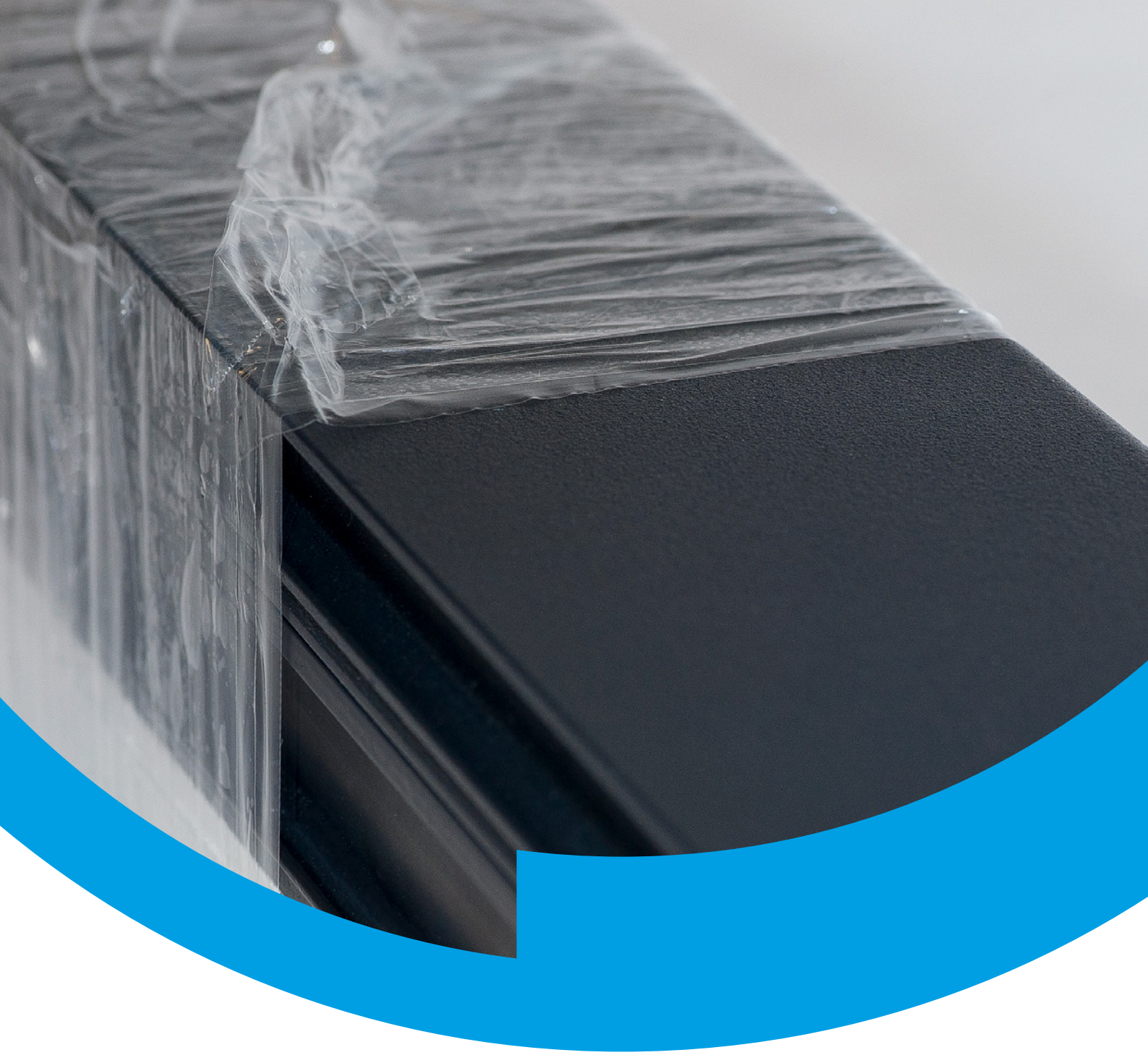

Resins with excellent resistance to blanching.

Outdoor polyesters.

Uralac®

covestro

Products

Architectural

Uralac® P 8235 (96,5/3,5)
Uralac® P 8250 (3,5% HAA)
Uralac® P 8253 (5% HAA)

Superdurable

Uralac® P 8855 (5% HAA)

Concept

The definition 'blanching' is used for discolored light, dull spots on the coating after storage under certain conditions. For instance, when coated profiles are packed (wrapped in plastic foil) and stored outside, the coating on the profile sometimes shows discoloration and fading spots, due to increased temperature and trapped moisture in the packaging. Condensation within the packaging will cause this color change and slightly loss of gloss.

Value proposition

Outdoor powder coating resins with excellent resistance to blanching, resulting in less rejects at the construction site.

Requirements

Powder coatings which can meet the GSB AL 631 (Edition 01/2012) test 9.17 "Resistance to moisture".

Markets

Architectural

Coating chemistry

Carboxylated polyester for curing with HAA (ß-Hydroxyalkylamine).

Key properties

Polyesters	Uralac® P 8235	Uralac® P 8250	Uralac® P 8253	Uralac® P 8855	Architectural Benchmark
Formulation (PDS)	Brown, RAL-8014	Brown, RAL-8014	Brown, RAL-8014	Brown, RAL-8014	Brown, RAL-8014
Cure Cycle (total time)	10' 180°C	10' 180°C	12' 180°C	12' 180°C	10' 180°C
Flow (PCI)	6	6	6	6	6
Reverse impact, AQT-46	7 Nm	7 Nm	7 Nm	Limited	7 Nm
Blanching resistance	ΔL<2	ΔL<2	ΔL<1	ΔL<1	ΔL>4
Outdoor durability	• GSB Florida 1Y • QC class 1 • AMAA 2603	• GSB Florida 1Y • QC class 1 • AMAA 2603	• GSB Florida 1Y • QC class 1 • AMAA 2603	• GSB Florida 3Y • QC class 2 • AMAA 2604	• GSB Florida 1Y • QC class 1 • AMAA 2604
Resin Tg	54°C	60°C	63°C	60°C	58°C

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