

Low PFOA* PTFE Texturing Additives

For Powder Coating Applications

Description

Lanco™ 1890 C, PowderAdd™ 9082, and PowderAdd™ 9086 are highly efficient, PTFE-based additives used to produce a uniform, fine texturing effect in powder coatings at low addition rates. These products comply with the restriction on PFOA under the Stockholm Convention on Persistent Organic Pollutants (POPs).

Features/Benefits

- Excellent control of texturing
- Increased matted appearance
- Enhanced scratch resistance
- Increased slip

Physical Characteristics**

	Lanco™ 1890 C	PowderAdd™ 9082	PowderAdd™ 9086
Appearance	White Powder	Free Flowing White Powder	White Powder
Chemical Type	PTFE	PTFE	PTFE
Particle Size*** Dv50 (µm)	≤ 43	≤ 600	≤ 25
Density (g/cm ³ at 25 °C (77 °F))	2.2	2.2	2.2

Typical Applications

These products are specifically designed to give controlled texturing effects in powder coating applications and are useful in:

- Hybrid Systems
- Polyester Systems

* PFOA is not intentionally added nor expected to be present above limit values specified in Annex I of Regulation (EU) 2019/1021 adding PFOA, its salts and related substances under the Stockholm Convention on POPs effective July 4th 2020

** Property values represent typical results only and are not to be considered specifications.

*** by laser diffraction

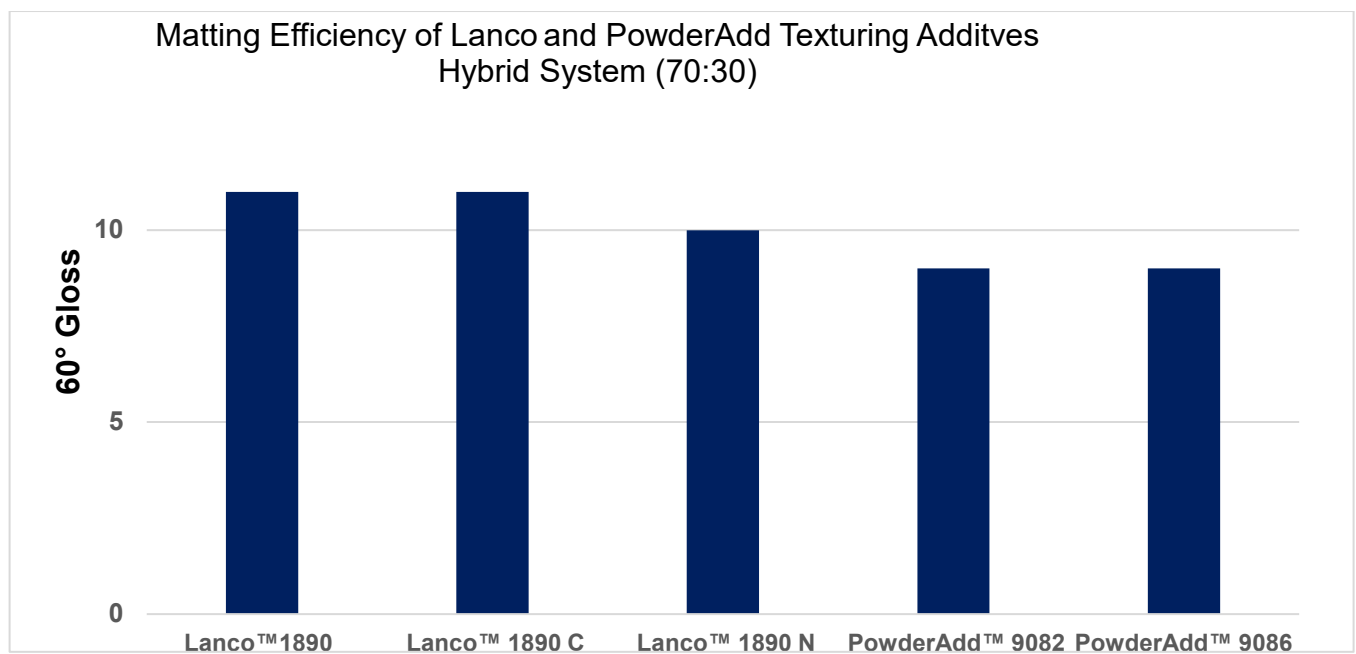
Incorporation

These products should be incorporated into the powder premix prior to extrusion, utilizing sufficient mixing action to achieve a uniform textured coating.

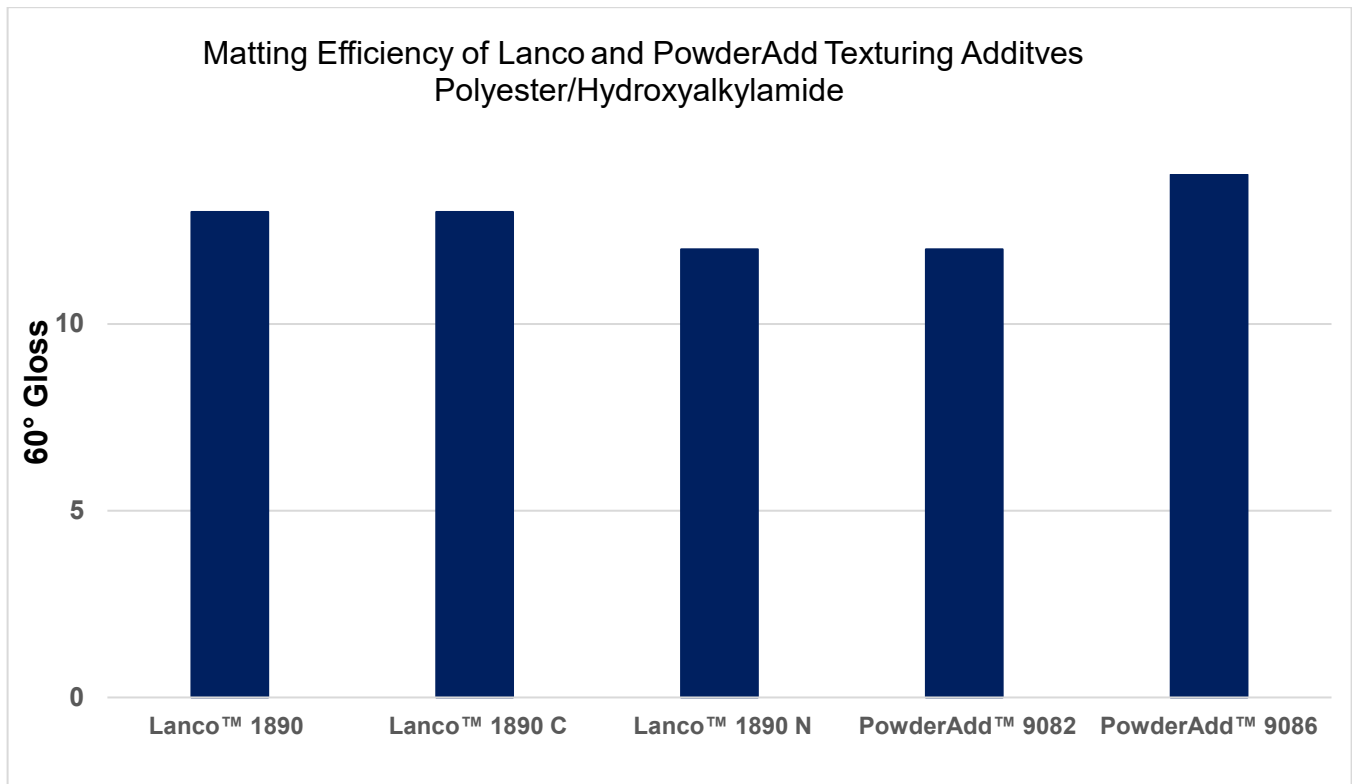
Addition Level

The recommended addition level of these products is between 0.1-0.5% on total formulation weight to maintain a uniform and reproducible gloss level and texturing effect.

Performance Data



Please note: All products added at 0.4% addition level



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Summary

- Lanco™ 1890 C, PowderAdd™ 9082, and PowderAdd™ 9086 contain < 25 PPB PFOA* as defined with the restriction on PFOA* under the Stockholm Convention on Persistent Organic Pollutants (POPs).
- Lanco™ 1890 C, PowderAdd™ 9082 and PowderAdd™ 9086 are alternatives to Lanco 1890 and Lanco 1890 N and are expected to give the same fine texturing performance.
- In certain formulations, PowderAdd 9082, and PowderAdd 9086 dosage might need to be slightly adjusted to match the performance of Lanco 1890 and Lanco 1890 N.

Basic Formulation: Black 70:30 Hybrid

Raw Materials	Parts by Weight
Polyester Resin AN 35	461.0
Epoxy Resin Type 3	197.0
Barium Sulfate	325.0
Carbon Black	8.0
Benzoin	4.0
Lanco™ Flow P 10	5.0
Total	1000

0.2% PowderAdd™ G 130 can post added if needed

Basic Formulation: Grey Polyester / Hydroxyalkylamide

Raw Materials	Parts by Weight
Polyester Resin	617.5
Hydroxyalkylamide	32.5
Titanium oxide	150.0
Barium Sulfate	190.0
Carbon Black	2.0
Benzoin	3.0
Lanco™ Flow P 10	5.0
Total	1000

0.2% PowderAdd™ G 130 can post added if needed

