



STANDART® PCS HD

Maximum Coverage Meets
Metallic Brilliance

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Introducing **STANDART® PCS HD**, the latest breakthrough in ECKART's renowned **STANDART® PCS** product line. Powered by cutting-edge Silver Dollar technology, these high-density, non-leaving aluminum effect pigments deliver an exceptional blend of:

- Superior hiding power
- Dazzling metallic brilliance

Available in two tailored grades

STANDART® PCS HD offers precise customization to suit your specific application needs.

Visual Performance That Speaks for Itself

When it comes to optical characteristics, **STANDART® PCS HD** excels in both coverage and brilliance.

In a comparative test using 4% effect pigment in a clear powder coating on black and white panels, **STANDART® PCS HD33** clearly stands out.

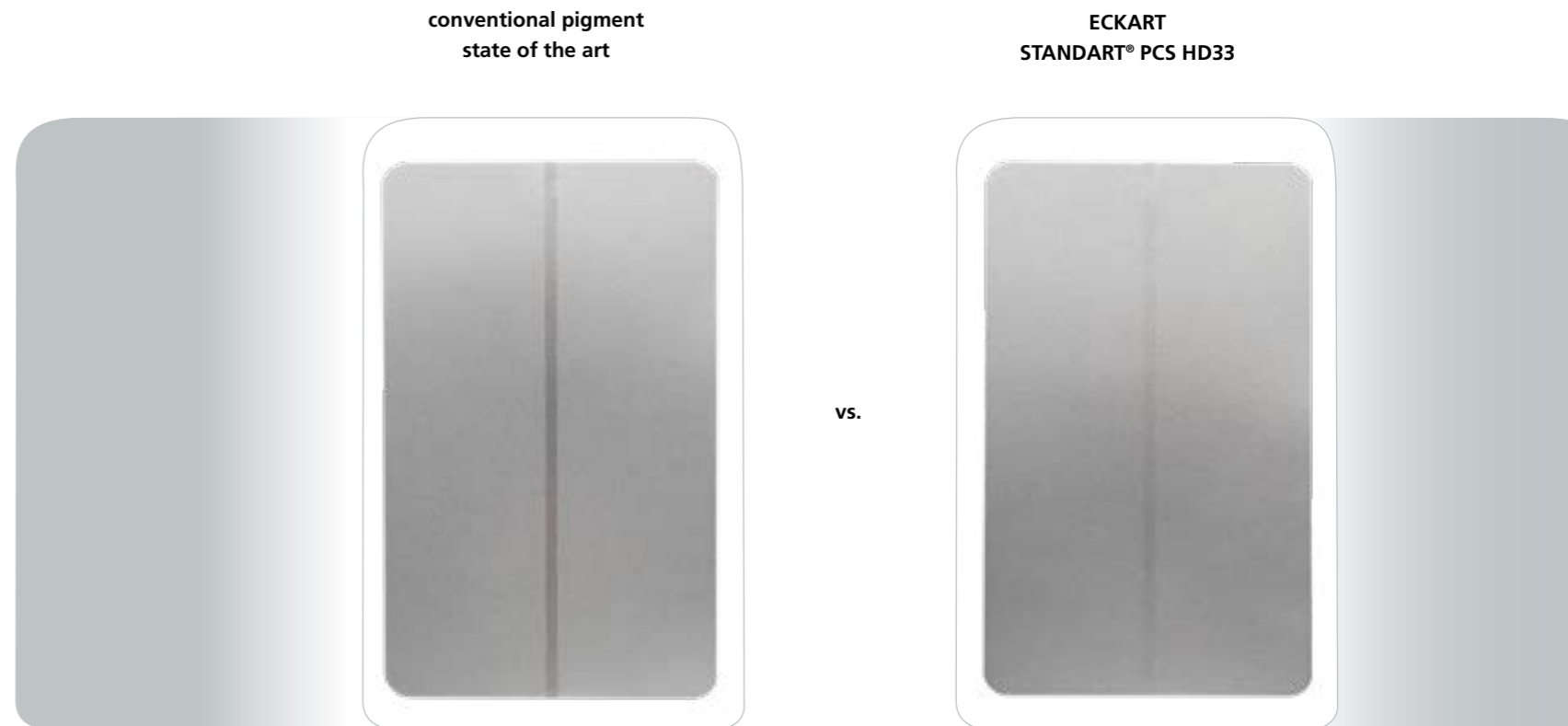


PCS HD12 (fine)

and



PCS HD33 (coarse)



For Brilliant Powder Coating Results

Whether for indoor or outdoor use, furniture, home appliances, or other demanding applications – the **STANDART® PCS HD** series is engineered to elevate performance across a wide range of powder coating systems.

Technology That Inspires

Thanks to ECKART's innovative PCS encapsulation technology featuring a compact silica matrix (sol-gel process), **STANDART® PCS HD** delivers:

- Up to 30% savings in formulation costs
- Reduced pigment loading with consistent performance
- Optimized processing and enhanced application properties
- Vivid metallic effects for eye-catching finishes

In so-called full shade applications, it delivers:

- Significantly enhanced hiding power
- A strikingly metallic and exceptionally bright appearance

This makes **STANDART® PCS HD33** the ideal choice for demanding applications where visual impact and efficiency are key.

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Visual Performance That Speaks for Itself

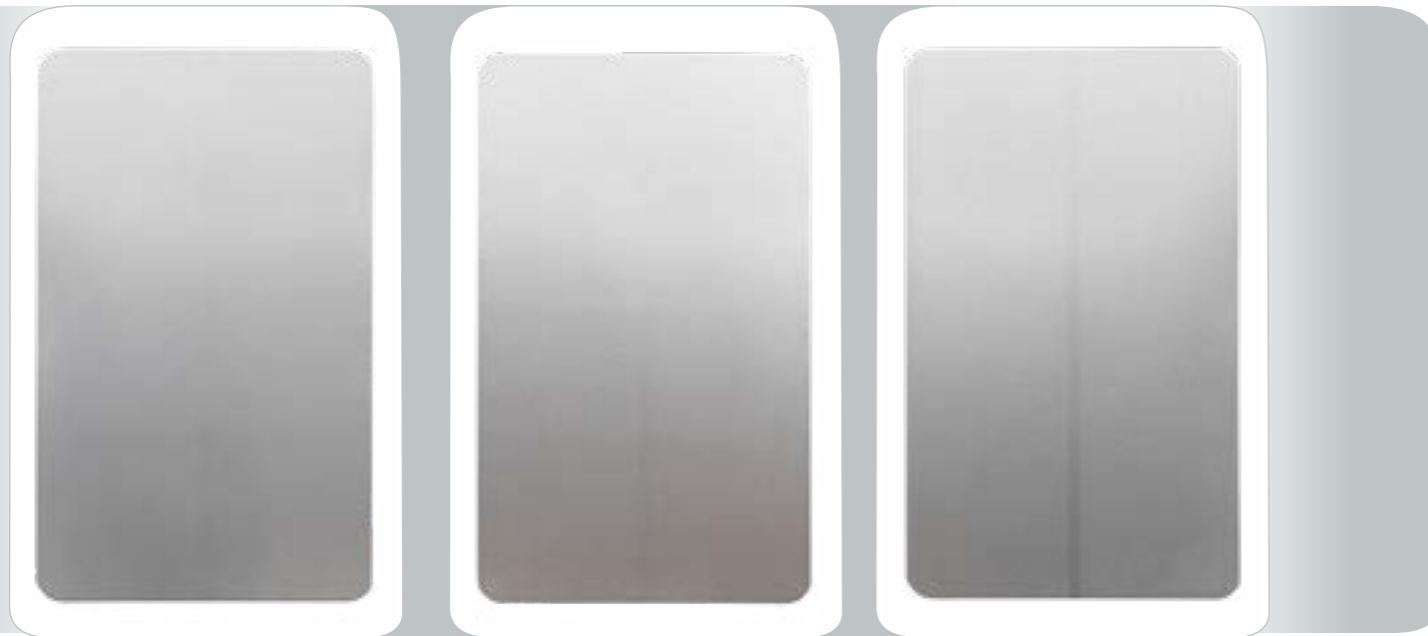
STANDART® PCS HD sets new benchmarks in both **optical coverage** and **metallic brilliance**.

In a comparative test using just 2% effect pigment in a clear powder coating on black and white panels, **STANDART® PCS HD12** delivers impressive results.

conventional pigment
state of the art
(slightly finer)

ECKART
STANDART® PCS HD12

conventional pigment
state of the art
(slightly coarser)



It stands out with:

- Remarkably improved hiding power
- A bright, metallic finish with exceptional clarity

This makes **STANDART® PCS HD12** the ideal solution for applications where fine particle size and high visual impact are essential.

Technical Information

Two Versions for Maximum Flexibility

STANDART® PCS	Article Number	Average Particle Size determined with Sympatec Helos	Bulk density (typical value) approx µm	Screen analysis/Wet sieving with organic solvents as rinsing liquid
Type		D50 approx µm	approx kg/l	acc.to DIN 53196 < 71 µm min. %
PCS HD33	028586...	33	0.2	99.9
PCS HD12	028585...	12	0.1	99.9

Type	Particle size D50 [µm] approx.	Surface Treatment	Chemical Resistance	Mortar Test	Florida Test	Humidity Test	Min. Ignition Energy	Remark
Non-Leaving Aluminum Pigments								
PCS (high performance)								
PCS HD33	33	Sol-Gel Silica	++	++	no data	+++	100mJ<MIE<300mJ	Silverdollar, excellent hiding
PCS HD12	12	Sol-Gel Silica	++	+	no data	+++	MIE<3mJ	Silverdollar, excellent hiding

Important: Test results can differ depending on binder system, effect pigment load and processing parameters.

- Rating:**
- ++++ superior
 - +++ excellent
 - ++ very good
 - + good (for exterior application and whenever chemical resistance of the finished powder coat is required, a protective clear coat is necessary to protect the metallic finish from unwanted corrosion process)
 - fair (for exterior application and whenever chemical resistance of the finished powder coat is required, a protective clear coat is necessary to protect the metallic finish from unwanted corrosion process)

Please note

A protective clear coating is recommended for outdoor applications and all areas where particularly high demands are made on chemical stability, in order to prevent undesired signs of corrosion on the metallic effect coating.



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