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KABE FARBEN



POLYFLEX® PES-140-SD-NT



Powder coatings

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KARL BUBENHOFER AG



POLYFLEX® PES-140-SD-NT NEW STANDARDS IN QUALICOAT CLASS 2

We are proud to present **POLYFLEX® PES-140-SD-NT**, a comprehensive range of low-temperature, highly weather-resistant powder coatings for architectural and other applications, all of which are certified according to **Qualicoat Class 2**.

QUALICOAT CLASS 2



Compared to conventional façade quality, Qualicoat Class 2 is characterised by significantly enhanced UV and weather resistance and thus a longer service life – in line with a sustainable approach. These innovative polyester powder coatings not only offer excellent UV and weather resistance, but also outstanding processing properties, good storability and first-class surface properties.

LESS ENERGY – SAME PERFORMANCE

Reduced CO₂-Footprint

Lower curing temperatures reduce energy consumption in the coating process.

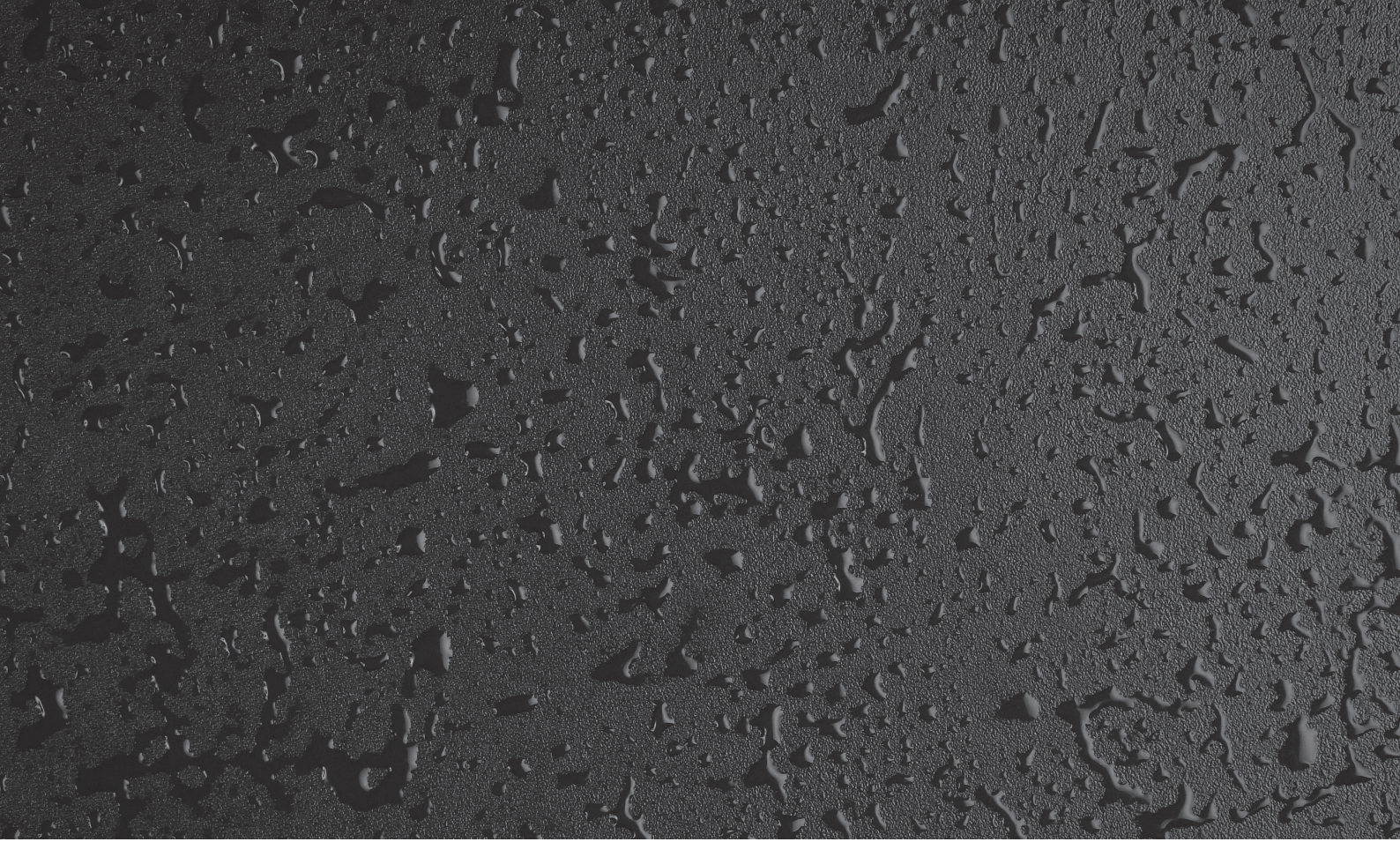
Energy-efficient production

Curing at 160 °C instead of 200 °C significantly reduces the oven's energy consumption.

Sustainable façade coating

Less processing energy with consistently high weather and UV resistance.





OUTSTANDING TECHNICAL PROPERTIES

The product range includes a variety of surfaces, including smooth surfaces with different gloss levels and fine structured finishes. The curing time starts at just **10 minutes at an object temperature of 160 °C**, placing it in a performance range that is currently unrivalled on the market. At higher temperatures, the powder coatings are characterised by very short curing times.

We are particularly proud of our unique, smooth-flowing, matt system **POLYFLEX® PES-140-SD-NT** smooth Corona Matt with a gloss level of 10 gloss units (60°), which is also certified in Class 2. In addition to the surfaces listed, pearl metallic variants with excellent durability are also available, opening up additional aesthetic possibilities and further enhancing the visual impact of your projects.

PROPERTIES

- Qualicoat Class 2 | Low-temperature system (from 10 min. 160°C)
- Wide processing window in terms of temperature and overcuring stability
- Energy savings thanks to faster curing and lower curing temperatures
- Very wide range of finishes
- Very good coverage, even in light colours

CURING RECOMMENDATION

10 minutes at 160°C object temperature

Object temp.	Min. holding time in min.	Max. holding time in min.
200°C	4 min	10 min
190°C	5 min	15 min
180°C	6 min	20 min
170°C	8 min	25 min
160°C	10 min	30 min

CONSULTING

We will be happy to advise you. Please contact us to discuss your individual requirements.






Our expert advisors in your area!

PES-140-SD-NT PRODUCT RANGE

The following POLYFLEX® PES-140-SD-NT low-temperature powder coatings are currently available in our extensive product range:

Article No.	Product description	Qualicoat	Qualicoat number	Qualicoat class
Smooth (solid colors)				
14620	POLYFLEX® PES-140-SD-NT Low temperature, highly weather-resistant, smooth, silk gloss	x	P-2079	2
14621	POLYFLEX® PES-140-SD-NT Low temperature, highly weather-resistant, smooth, silk matt	x	P-2078	2
Smooth, outgassing (solid colors)				
14721	POLYFLEX® PES-140-SD-NT-GU Low temperature, highly weather-resistant, smooth, outgassing, matt	x	P-2053	2
Fine structure (solid colors)				
14950	POLYFLEX® PES-140-SD-NT Low temperature, highly weather-resistant, fine structure, silk matt	x	P-2056	2
14956	POLYFLEX® PES-140-SD-NT Low temperature, highly weather-resistant, fine structure, matt	x	P-2056	2
Pearl Metallics smooth				
14946	POLYFLEX® PES-140-SD-NT Pearl Metallic, low temperature, highly weather-resistant, smooth, silk gloss	x	P-2079	2
14727	POLYFLEX® PES-140-SD-NT Pearl Metallic, low temperature, highly weather-resistant, smooth, silk matt	x	P-2078	2
Pearl Metallics smooth, outgassing				
14931	POLYFLEX® PES-140-SD-NT-GU Pearl Metallic, low temperature, highly weather-resistant, smooth, outgassing, matt	x	P-2053	2
Pearl Metallics Fine structure				
14728	POLYFLEX® PES-140-SD-NT Pearl Metallic, Low temperature, highly weather-resistant, fine structure, silk matt	x	P-2056	2
14961	POLYFLEX® PES-140-SD-NT Pearl Metallic, low temperature, highly weather-resistant, fine structure, matt	x	P-2056	2
Pearl Metallics Qualibond, smooth				
14990	POLYFLEX® PES-140-SD-NT Qualibond, Pearl Metallic, low temperature, bonded, highly weather-resistant, smooth, silk gloss	x	P-2079	2
14989	POLYFLEX® PES-140-SD-NT Qualibond, Pearl Metallic, low temperature, bonded, highly weather-resistant, smooth, silk matt	x	P-2078	2
Pearl Metallics Qualibond, smooth, outgassing				
14985	POLYFLEX® PES-140-SD-NT-GU Pearl Metallic, low temperature, bonded, highly weather-resistant, smooth, outgassing, matt	x	P-2053	2

Powder coatings | Paints + plasters | Facade insulation | Industrial coatings

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