



# Electron-beam (EB) and ultra-violet (UV) coil coatings



## New energy-curable breakthrough for coiled metal

The PPG DURANEXT™ portfolio of EB- and UV-curable backers, primers, basecoats and clearcoats delivers the energy efficiency and high speed of energy curing to metal coil coaters.

Unlike traditional coil coating systems that require air or thermal heat, these leading-edge solutions use an electron beam or ultra-violet energy to convert a liquid coating into a fully cured solid finish in seconds without any significant loss of thickness or weight.

### Suggested industries

Coil coatings

### Suggested end uses

Roof and wall panels

Garage doors

Backers	Primers	Basecoats	Clearcoats
<b>Backers</b> are available in both UV and EB formulations to accommodate various application equipment setups. These can be applied over a primer or used as a direct-to-metal application.	<b>Primers</b> are currently available in UV-curable formulations. UV primer can be used under an EB topcoat or with a conventional thermal-cure topcoat. These primers could also be used in conjunction with a wet-on-wet applied topcoat and cured with EB in a single pass.	<b>Basecoats</b> are available in a full range of glosses and colors for both interior and exterior applications and with options that include smooth, textured and wrinkled finishes. These can also be formulated as a one-coat direct-to-metal solution.	<b>Clearcoats</b> are engineered to preserve digitally printed inks with a protective layer that adds weatherability and scratch/abrasion resistance for various residential and commercial applications.

## The PPG benefit



Reduced energy usage, water consumption and CO<sub>2</sub> emissions\*



Formulated without added solvents that release VOCs



Fully cures in less than one second without thermal heat



Customizable weatherability, durability, chemical resistance and flexibility



Multiple application methods, including roll-, curtain- and slot-die-coating

\* Compared to traditional, thermally cured coatings

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