

» PRODUCT BULLETIN

Smartbatch™ FX for Paint Replacement

The replacement of paint on plastic parts with molded-in color (MIC) has several benefits. With MIC the incorporation of color with a color concentrate during the manufacturing of plastic components reduces the number of processing steps and complexity. In addition, the MIC process avoids VOC emissions associated with painting. Since the color is incorporated into the plastic matrix, it also prevents color peel-off and flaking.

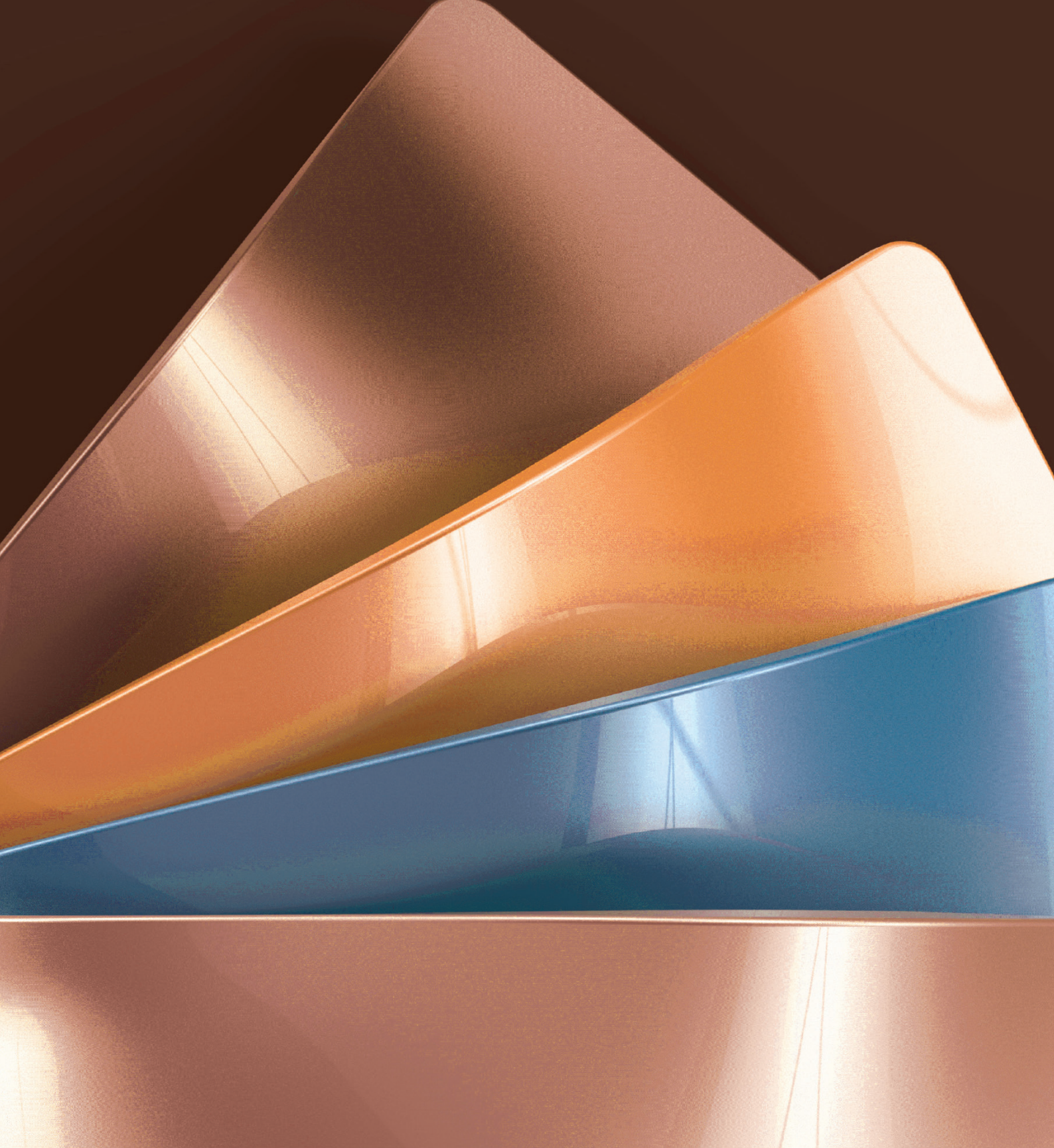
Smartbatch™ FX for Paint Replacement is a combination of color and additive concentrates that help manufacturers replace paint and meet performance requirements for a variety of applications. Examples include automotive dashboard elements, car bumpers, wheel covers, appliance components, E&E housings, personal care bottle caps and make-up containers. The concentrates provide high glossiness and metallic effects and can be customized to offer scratch resistance, anti-dust adhesion, UV resistance, and more. Our material and process experts provide guidance and technical support to transition from paint to MIC and to fulfill both the targeted aesthetics and application requirements. Our Avient Design engineering experts can support as well with the computer aided simulation of molded-in-color metallic parts to minimize surface defects.

Applications:

- Automotive interior trim and exterior trim components
- Appliances, electronics and electrical housings
- Personal care and cosmetic packaging
- Painted or plated consumer products

Benefits:

- Efficiently replaces paint and plating for various applications
- Reduces number of processing steps and complexity
- Provides high glossiness and metallic effects for high-quality paint look
- Can be customized to include scratch, dust, and UV resistance



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