



# Special highspeed horizontal powder coating application.

Indoor & outdoor polyester.

**Imfuse®**



## Products

Radical curing solid unsaturated polyester based binder. Patented technology, available after agreement of a supply and license agreement.

## Value proposition

**Imfuse® fast and efficient flat horizontal application**


**Super smooth on (porous) substrates**

**Benefit for applicators**

- Efficient and compact high throughput application
- Easy to automate low labor horizontal process
  - Eco friendly

**Benefit brand / Oem**

- Endless 3D decorative opportunities
- Superior coating properties
- Low carbon footprint

 \* Its impact on a reduction of carbon footprint in powder coating formulations has been measured in LCA study conducted by Covestro (For more info: [www.dsmcoatingresins.com](http://www.dsmcoatingresins.com))

## Markets

- Flat furniture
- Pre painted panels
- Flooring, walls, doors
- Formwork

## Coating chemistry

Unsaturated polyester and vinyl ether urethane resins.

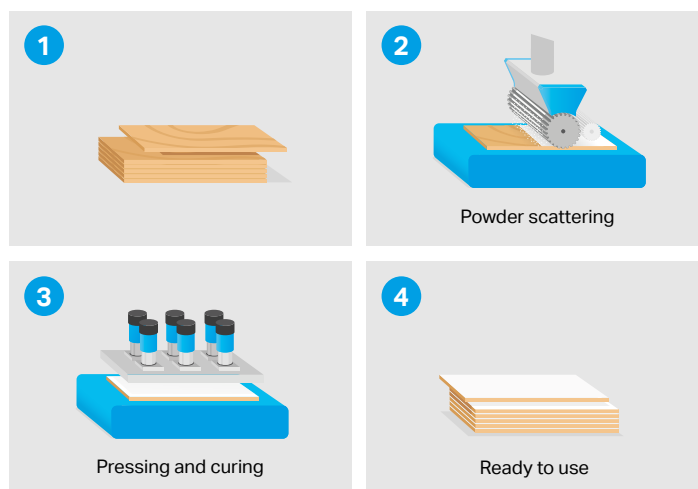
## Substrates

- Engineered wood like: MDF, Plywood, Particle Board, OSB
- Solid wood, veneer, laminated wood
- High pressure laminate (HPL), Lignocellulosic Panel
- Plasterboard, fiber cement board

## Key properties

- High gloss till deep matte
- Structured 3D décor effects
- Paper feel effect
- Excellent physical properties
- Good hardness and scratch resistance
- Excellent chemical and solvent resistance
- Strong barrier properties
- Extreme fast cure AT low temperatures:
- Cure process 1–5 min at 130°C–150°C

## Imfuse process



The manner in which you use our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, is beyond our control. Therefore, it is imperative that you test our products to determine suitability for your processing and intended uses. Your analysis must at least include testing to determine suitability from a technical, health, safety, and environmental and regulatory standpoint. Such testing has not necessarily been done by Covestro, and Covestro has not obtained any approvals or licenses for a particular use or application of the product, unless explicitly stated otherwise. If the intended use of the product is for the manufacture of a pharmaceutical/medical product, medical device<sup>1</sup> or of pre-cursor products for medical devices or for other specifically regulated applications which lead or may lead to a regulatory obligation of Covestro, Covestro must explicitly agree to such application before the sale. Any samples provided by Covestro are for testing purposes only and not for commercial use. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information, including technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed by you that you assume and hereby expressly release and indemnify us and hold us harmless from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent. These values are typical values only. Unless explicitly agreed in written form, they do not constitute a binding material specification or warranted values.

<sup>1</sup>Please see the "Guidance on Use of Covestro Products in a Medical Application" document. Edition: September 2021 · Printed in Germany



Covestro Deutschland AG  
Kaiser-Wilhelm-Allee 60  
51373 Leverkusen  
Germany

[www.covestro.com](http://www.covestro.com)