

IN-MOLD-COATING SYSTEM



FOR PERFECT CLASS A READY-TO-COAT SURFACES OF SHEET MOLDED COMPOUNDS

Sheet molded compounds (SMC) are fibre reinforced plastics materials which are widely used for exterior trim in the automotive and general vehicle manufacturing industry due to its specific benefits:

- **reduced weight**
- **complex design geometries**
- **corrosion resistance**
- **Sensors and antennas can be mounted invisibly underneath the SMC (no shark fin)**

SMC as exterior trim parts need a perfect surface condition for being coated or painted. This is often done as a manual pre-treatment of the mold with a carrier-coating, which is time consuming and sometimes quality is suffering, alternatively an automated spray coating system is required, which boosts the investment of the production process.

In-mold-coating (IMC) by IMCoatec™ is a reliable and reproducible automatic process to provide an excellent ready-to-coat surface (class A) on SMC parts at minimum cost of ownership.

IMCoatec™ is a single component mold injection system* which provides a chemical joint between the SMC and IMC, offering following advantages:

- **automated single step injection eliminates costly and time consuming mold pre-coating**
- **reliable and reproducible Class A surfaces**
- **easy operation and handling**
- **prepared to process top-coat material**
- **easy integration to SMC lines**
- **incl. one or two controlled injector valves**

* single or premixed 2K system

Dimensions	Length	Width	Height
	2.640 mm	1.400 mm	2.420 mm

Dosing volume	up to 500 cm ³
Transmission ratio of metering unit	4:1
Injection pressure (max.)	400 bar
Theoretical pressure when closing the injector head	2400 bar
Operating voltage	3x400V+N+PE
Frequency	50 Hz
Power rating (total)	15,4 KVA
Weight: approx.	1.400 kg

YOUR GLOBAL PARTNER FOR METERING AND MIXING TECHNOLOGY

- Processing and application of single and multi component adhesive and sealants as well as casting/encapsulation liquids.
- Ambient and temperature conditioned equipment
- Complete systems for manual or fully automatic processes
- Innovative process control and verification



We look forward to discuss further details with you.

Reinhardt-Technik GmbH

Waldheimstraße 3

58566 Kierspe/Germany

T +49 (0) 23 59 - 6 66.0

F +49 (0) 23 59 - 6 66.1 29

info@reinhardt-technik.de

www.reinhardt-technik.de

WAGNER GROUP

