

Two questions, two answers:

- 1** What technical trends do you see in the DTM coatings market in the next five years?
- 2** In your opinion, what are the key challenges to formulate a modern DTM coating?



Source: aet1150 - Fotolia

**1** For the industrial sector, DTM coatings are the paint system of the future. The market wants shorter application times, less material consumption and energy savings, all of which can be achieved with these modern coating systems.

This market is set to grow continuously over the next five years. All kinds of coatings will be affected. Conventional, high-solids, water-borne and solvent-free coatings will eventually be applied directly to the metal substrate. Of course, in the years ahead, materials with a low solvent content will have the edge because of requirements to permanently lower VOC content.

The requirements imposed on the systems are increasing, and so it won't just be coloured "primers" that will be accepted as DTM coatings. These systems, too, will offer a good appearance, lasting gloss and high UV stability. The goal is always to achieve high corrosion protection with thin layers. This will yield further additional savings with regard to the criteria mentioned above.

Existing DTM systems will be improved over the next five years and will become firmly established on the market.

**"It won't just be coloured 'primers' that will be accepted as DTM coatings."**



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**2** This question can be answered succinctly in one sentence: A single coating material must offer high adhesion of the primer, very good corrosion protection across several layers and an amazing appearance.

To this end, it is essential to be highly specific when selecting the raw materials. Other issues such as environmental and health protection must be considered as well. Provision should also be made for some key aspects of coating systems for daily use, such as:

- > a low tendency to sag combined with a reasonable application viscosity
- > fast curing at high layer thicknesses

The less solvent used, the more difficult it will be to achieve the required properties.

All in all, DTM coating systems offer significant advantages over multi-layer systems as described above, and so the range of applications will increase in many major industries.

### Book tip

**Anticorrosive Coatings**  
Fundamentals and  
New Concepts

216 pages, Jörg Sander

[www.european-coatings.com/Publications](http://www.european-coatings.com/Publications)



### Event Tip

**European Coatings**  
**Show Conference 2017**  
3-4 April 2017, Nuremberg

[www.european-coatings.com/Events](http://www.european-coatings.com/Events)

