

Nanocoatings for the Construction and Exterior Protection Industry

<https://marketpublishers.com/r/NCF0239EB61EN.html>

Date: December 2010

Pages: 52

Price: US\$ 555.00 (Single User License)

ID: NCF0239EB61EN

Abstracts

Brief Summary

Nanoscale coatings are particularly suited to protecting the surface of various construction materials such as glass, concrete, sand limestone or marble from environmental influences like water staining, moss, algae as well as soot and oil stains; are also function as corrosion inhibitors for reinforced steel. Paints and surface coatings are commercially available that create a low energy facing thus rendering a building surface highly hydro- and oleophobic, thereby helping to prolong maintenance cycles and to ease cleaning. Dirt repellent protective paints and photocatalytic coatings are the most prominent applications in construction and exterior protection industry. In recent years, self-cleaning coatings using photocatalytic Titanium Dioxide (TiO₂) has gained considerable industry attention. With assistance of little UV light from fluorescence source or sunlight, TiO₂ offers two unique properties: (a) strong oxidation power, and (b) super-hydrophilicity. The construction and exterior protection sector is one of the largest markets for nanoscale coatings at present, and is an especially competitive market in Germany and Asia. The current market is estimated to around US\$130million, rising to US\$400million plus by 2015.

Report contents

Production methods and coating types

Market structures, market drivers and revenues

Company profiles

Contents

1 EXECUTIVE SUMMARY

2 NANOCOATINGS FOR THE CONSTRUCTION AND EXTERIOR PROTECTION INDUSTRY

2.1 Production methods

2.2 Coating types

2.2.1 Anti-fouling and easy clean

2.2.2 Self-cleaning (bionic)

2.2.3 Self-cleaning (photocatalytic)

2.2.4 UV Resistant

2.3 Market drivers

2.4 Market structure

2.5 Market revenues

2.5.1 World nanocoatings market revenues, construction and exterior protection industry 2008-2015

3 TECHNOLOGY PROVIDERS (36 PROFILES)

Tables & Figures

TABLES & FIGURES

Figure 1: Market revenues for nanoscale protective coatings, 2009

Figure 2: Market revenues for nanoscale protective coatings, 2015

Table 1: Market drivers for nanoscale protective coatings

Table 2: Market structure for nanoscale protective coatings market

Table 3: Methods for applying coatings to material surfaces

Table 4: Easy-to-clean Coatings: Principles, Properties, Effects, Applications and Companies

Table 5: Self-cleaning (Bionic) Coatings: Principles, Properties, Effects, Applications and Companies

Table 6: Self-cleaning (Photocatalytic) Coatings: Principles, Properties, Effects, Applications and Companies

Table 7: UV Protection Coatings: Principles, Properties, Effects, Applications and Companies

Table 8: Market drivers for nanoscale protective coatings

Table 9: Market structure for nanoscale protective coatings market

Table 10: World nanocoatings market revenues, construction and exterior protection industry (Millions, US\$)

Figure 3: World nanocoatings market revenues, construction and exterior protection industry (Millions, US\$)

Table 11: Nanocoatings for the construction and exterior protection market-Types and application

Table 12: Nanocoatings for the construction and exterior protection market-Companies and products

I would like to order

Product name: Nanocoatings for the Construction and Exterior Protection Industry

Product link: <https://marketpublishers.com/r/NCF0239EB61EN.html>

Price: US\$ 555.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/NCF0239EB61EN.html>