

TEMASOLID SC

A cost effective and environmentally sustainable choice

The environmentally sustainable single-coat polyurea-based Temasolid SC 60, Temasolid SC 80 and Temasolid SC-F 80 represent the latest paint technology. The Temasolid products fulfill a demanding customer's requirements; cost-efficiency, low VOC emissions and excellent anticorrosion properties.

The Temasolid SC products dry quickly at normal room temperature. Furthermore, drying can be accelerated by increasing the relative air humidity. With carefully planned drying process, it is possible to achieve major savings due to lower energy consumption.

Temasolid products can be used as single-coat paints for construction, agricultural and earth moving machinery and other machinery and equipment.

- painted surfaces are durable and easy to clean
- Temasolid SC products provide excellent weathering and abrasion resistance
- non-chalking paint with excellent gloss and colour retention

Environmental award for Europress:

- The city of Kerava (Finland) granted the Environmental Award of the year 2010 to Europress Group Oy. A special thanks was given to Europress for the coverage of their environmental policy and system and their application to the company's actions, services and products. Europress is using Temasolid SC 60 polyurea paint for painting its waste handling machinery.



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A COMPETITIVE EDGE WITH COLOURS

The **significance of** colour design and colour marketing in the manufacture of industrial products is increasing. Colours make products unique and help them stand out. Colours also highlight the product's shape and structure. Temasolid SC products have base paints and can be tinted in exactly the colour shades that best differentiate your products from the competing ones.

CORROSION PROTECTION

Temasolid SC products can be used as single-coat systems directly on metal surfaces or as a topcoat in paint systems. Below are some examples of Temasolid systems and corrosivity categories according to the standard EN ISO 12944-2.

PAINT SYSTEMS FOR TEMASOLID SC

Products	Dry film thickness	Corrosivity category EN ISO 12944-2
Temasolid SC 60	1 x 120µm total DFT 120µm	C3-H/C4-M
Temazinc 99 Temasolid SC 60	1 x 40µm 1 x 120µm total DFT 160µm	C4-H/C5-M-M
Temacoat SPA Primer Temasolid SC 60	1 x 80µm 1 x 100µm total DFT 180µm	C4-H/C5-M-M
Temasolid SC 80	1 x 120µm total DFT 120µm	C3-M/C4-L
Temanyl PVB Temasolid SC 80	1 x 30µm 1 x 120µm total DFT 150µm	C3-M/C4-L
Temasolid SC-F 80	1 x 120µm total DFT 120µm	C3-M/C4-L
Temacoat SPA Primer Temasolid SC-F 80	1 x 80µm 1 x 100µm total DFT 180µm	C3-M/C4-L

Technical information

Temasolid SC 60

Volume solid	81%
VOC content in ready-to-use paint	150 g/l
Gloss	Semi-gloss
Pot life	1 h
Drying properties, touch dry	4 h /23°C, RH 30% 3 h /23°C, RH 50% 1 h /23°C, RH 80%

Temasolid SC 80

Volume solid	80%
VOC content in ready-to-use paint	170 g/l
Gloss	Gloss
Pot life	2 h
Drying properties, touch dry	5 h /23°C, RH 30% 3 ½ h /23°C, RH 50% 1 h /23°C, RH 80%

Temasolid SC-F 80

Volume solid	80%
VOC content in ready-to-use paint	170 g/l
Gloss	Gloss
Pot life	½ h
Drying properties, touch dry	2 h /23°C, RH 30% 1 h 15 min /23°C, RH 50% 35 min /23°C, RH 80%