

Construction



Sikagard[®] Protective Coatings for Concrete New Construction and Repair



Protective Coatings for Concrete New Construction and Repair



Various colours corresponding to the Sika colour chart

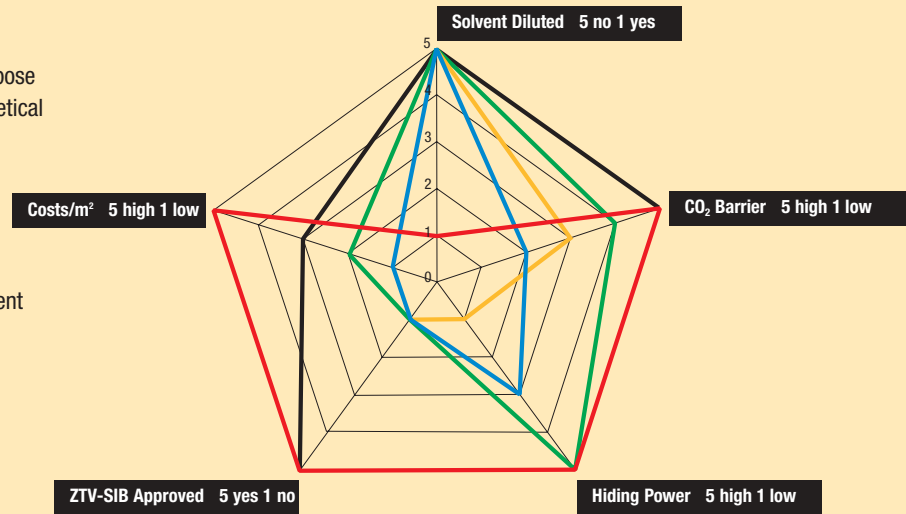
Rigid Protection

Description

These systems are made for multi-purpose use as well as for protective and aesthetic requirements.

Advantages

- Easy application
- Medium to high performance
- For protection and aesthetic treatment
- Simple system set-ups



Positioning According Material Behaviour

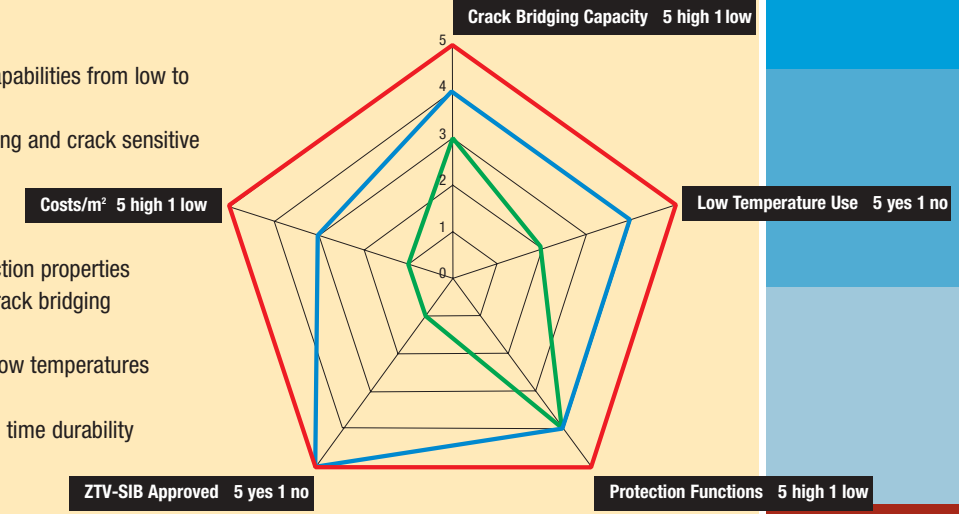
Elastic Protection

Description

Crack-bridging capabilities from low to high range. For civil engineering and crack sensitive constructions.

Advantages

- Highest protection properties
- Low to high crack bridging properties
- Approved for low temperatures until -20 °C
- Approved long time durability



Positioning According Material Behaviour

Rigid Systems

System 1

Rigid coating, coloured, water-based



Primer:
1x **Sikagard®-552 W Aquaprimer**
1-component, water-based primer
Coating:
2x **Sikagard®-670 W ElastoColor**
1-component, water-based acrylic dispersion

System 2

Rigid coating, coloured, water-based



No primer
Coating:
2x **Sikagard®-ElastoColor W**
plasto-elastic, 1-component, water-based acrylic dispersion
Approval: ZTV-SIB 90; OS-C₆

System 3

Rigid coating, translucent



Primer:
1x **Sikagard®-551 S**
1-component, solvent-based primer
Coating:
2x **Sikagard®-671 W Transluce**

System 4

Rigid coating, coloured, water-repellent



Primer:
1x **SikaColor®-673 W Hydrophob** + 10% water
Coating:
1x **SikaColor®-673 W Hydrophob**

System 5

Rigid coating, coloured, solvent-based



No Primer
Pore sealer:
Sika MonoTop®-620
Coating:
2x **Sikagard®-680 S**
1-component, solvent-based acrylic dispersion
Approval: ZTV-SIB 90, OS-C₃

Elastic Systems

System 1

Elastic coating, coloured
Crack bridging at -10 °C



Primer:
1x **Sikagard®-552 W Aquaprimer**
1-component, water-based primer
Coating:
2x **Sikagard®-550 ES ElastoColor**
1-component, crack-bridging, water-based acrylic dispersion

System 2

Elastic coating, coloured
Crack bridging at -20 °C



Pore Sealer:
Sika MonoTop®-620
Primer:
1x **Sikagard®-552 W Aquaprimer**
1-component, water-based primer
Coating:
2x **Sikagard®-550 W Elastic**
1-component, crack-bridging, water-based acrylic dispersion
Approval: ZTV-SIB 90 OS-D II₁

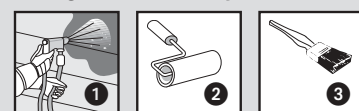
System 3

Elastic coating, coloured
Crack bridging at -20 °C



Pore Sealer:
Sika MonoTop®-620
Primer:
1x **Sikagard®-552 W Aquaprimer**
1-component, water-based primer
Coating:
1x **Sikagard®-545 W Elastofill**
1-component, plasto-elastic filler coat, based on acrylic dispersion
Coating:
2x **Sikagard®-550 W Elastic**
1-component, crack-bridging, water-based acrylic dispersion
Approval: ZTV-SIB 90, OS-D II₃

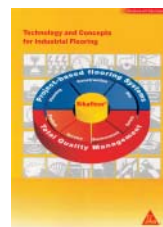
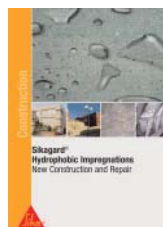
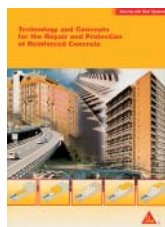
Application Method for Rigid and Elastic Systems



Protective Coatings for Concrete New Construction and Repair

Product Coatings	Packaging	Application (Layers)	Total Consumption g/m ² (depending on substrate conditions)
Sikagard®-550 W Elastic	15 l pail	2 – 3	~ 1000
Sikagard®-ElastoColor W	15 l pail	2	~ 500
Sikagard®-680 S	12,5 kg pail 30 kg pail	2	~ 640
Sikagard®-545 W Elastofill	15 l pail	1 – 2	~ 800 – 1500
Sikagard®-670 W ElastoColor	15 l pail	2	~ 500
Sikagard®-671 W Transluce	15 l pail	2	~ 450
Sikagard®-550 ES ElastoColor	15 l pail	2	~ 1100
SikaColor®-673 W Hydrophob	15 l pail	2	~ 500
Primers			
Sikagard®-552 W Aquaprimer	2,5 l tin 10 l pail	1	~ 110
Sikagard®-551 S	10 l pail 20 kg pail	1	~ 100

Also available from Sika



All orders are accepted to our current terms of sale and delivery. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request.

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