

Construction



# Sikagard<sup>®</sup> Protective Coatings for Concrete New Construction and Repair



# Protective Coatings for Concrete New Construction and Repair



Various colours corresponding to the Sika colour chart

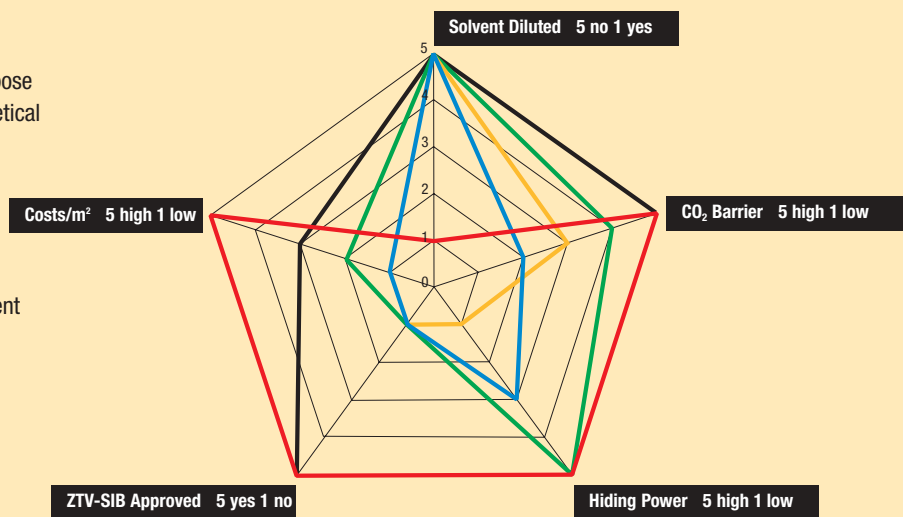
## Rigid Protection

### 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

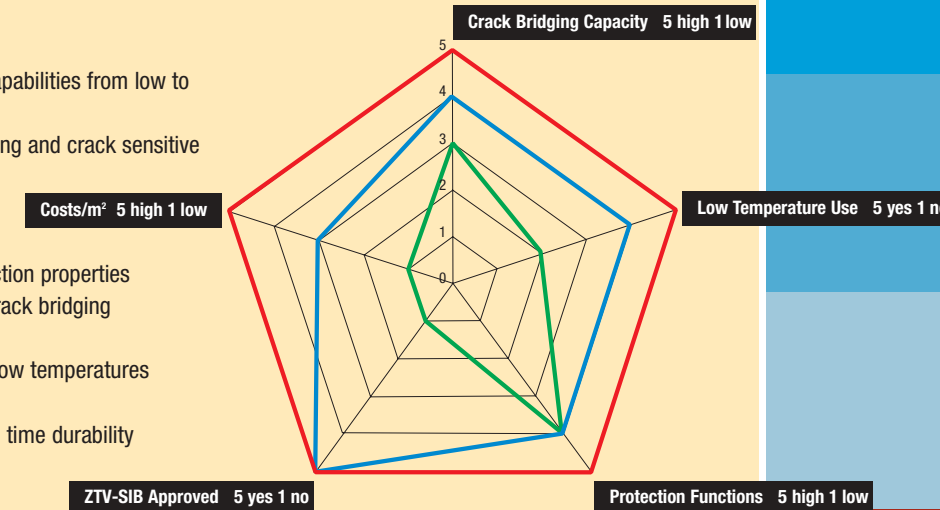
## Elastic Protection

### 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-C<sub>6</sub>

### 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-C<sub>3</sub>

## 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 II<sub>1</sub>

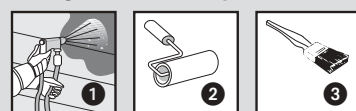
### System 3

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 II<sub>3</sub>

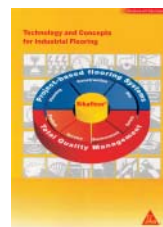
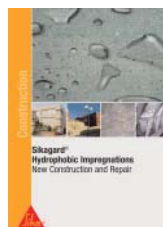
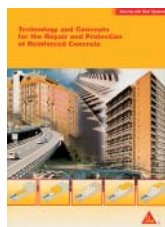
### Application Method for Rigid and Elastic Systems



# Protective Coatings for Concrete New Construction and Repair

Product Coatings	Packaging	Application (Layers)	Total Consumption g/m <sup>2</sup> (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
<b>Primers</b>			
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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