

Wash primer

PCI Elastoprimer

for the substrate preparation
for joint sealants

201

With PCI primer chart.

FIELDS OF APPLICATION

- For indoor and outdoor use.
- For wall, floor and ceiling joints.
- To prime the sides of joints prior to the application of PCI joint sealants.
- To improve the bond of PCI joint sealants to various substrates (see PCI primer chart).
- **PCI Elastoprimer 110** for PCI Elritan 100, PCI Elritan 140, PCI Escutan TF.
- **PCI Elastoprimer 135** for PCI Elritan 100, PCI Elritan 140, PCI Escutan TF, PCI Fugendicht Silikon E, PCI Carraferm, PCI Silcoferm S, PCI Silcoferm UW, PCI Silcoferm VE.
- **PCI Elastoprimer 145** for PCI Elritan 100 and PCI Elritan 140.
- **PCI Elastoprimer 150** for PCI Carraferm, PCI Fugendicht Silikon E, PCI Silcoferm S, PCI Silcoferm UW, PCI Silcoferm VE.
- **PCI Elastoprimer 165** for PCI Elritan 100, PCI Elritan 140, PCI Escutan TF, PCI Carraferm, PCI Silcoferm S, PCI Fugendicht Silikon E, PCI Silcoferm UW, PCI Silcoferm VE.



PCI Elastoprimer improves the bond of PCI joint sealants to the indicated substrates (see PCI primer chart).

- **PCI Elastoprimer 220** for PCI Escutan TF. As corrosion protection on reinforced steel free of rust (purity grade SA 2 ½). Primer on aluminium, light and non-ferrous metal as well as galvanised iron, for the subsequent application of PCI Apoflex TF, PCI Seccoral or repair mortars such as PCI Polycrret, PCI Pericret.



Imported & Marketed in India by:

BASF India Limited (Construction Chemicals Div)
Plot No.37, Chandivali Farm Road, Chandivali, Andheri(E)
Mumbai - 72 Tel: 28580200 Fax: 28478381
e-mail: construction-india@basf.com www.basf-cc.co.in

FEATURES AND BENEFITS

- **Improves the adhesion of PCI joint sealants** to various substrates.
- **Enables durable sealing of connection and movement joints**, even on critical substrates.
- **Translucent**, the colour of the substrate is retained with PCI Elastoprimer 110, 135, 150, 165. (PCI Elastoprimer 220 is red brown, PCI Elastoprimer 145 is pink).

TECHNICAL DATA

MATERIAL

Types of PCI Elastoprimer	110	135	145
Material base	Polyurethane	Polyurethane	Silane
Components	1 part	1 part	1 part
Labelling for	In original packaging not subject to regulation for hazardous goods.		
- Regulation for hazardous goods on roads	In original packaging not subject to regulation for hazardous goods.		
- Regulation for hazardous substances	harmful to health, highly inflammable, contains toluene and diisocyanate toluene (isomer mix)	irritant, inflammable, contains isocyanate prepolymere	irritant, highly inflammable
<i>For further information refer to Health and Safety.</i>			
Shelf life	approx. 12 months	approx. 6 months	approx. 6 months
Packaging	1 litre can (1 carton contains 10 cans).	500 ml can (1 carton contains 10 cans).	250 ml bottle (1 carton contains 10 bottles).

APPLICATION

Consumption per running metre*	10 ml	10 ml	5 ml
Coverage per unit*	100 m	50 m	50 m
Working temperature	+5°C to +35°C	+5°C to +35°C	+5°C to +35°C
Open time of primer** (acc. to DIN EN 26 927)	approx. 50 to 120 min.	approx. 50 to 120 min.	approx. 35 to 240 min.

* At 10 mm joint depth

** At +23°C and 50% relative humidity. Higher temperatures increase, lower temperatures reduce the times given.

TECHNICAL DATA

MATERIAL

Type of PCI Elastoprimer	150	165	220
Material base	Silane	Polyurethane	Epoxy resin
Components	1 part	1 part	2 parts
Labelling for	In original packaging not subject to regulation for hazardous goods.		
- Regulation for hazardous goods on roads			
base component			Cl. 3, pack.group III, UN 1263 paint (xylene)
hardener component			Cl. 3, pack.group III, UN 1263 paint (xylene)
- Regulation for hazardous substances	highly inflammable, harmful to health, contains aliphatic hydrocarbonic mixture and toluene	irritant, highly inflammable	
base component			harmful to health, contains xylene
hardener component			harmful to health, inflammable, contains xylene, fatty acids and tall oil reaction product
<i>For further information refer to Health and Safety.</i>			
Shelf life	approx. 12 months	approx. 6 months	approx. 6 months
Packaging	250 ml bottle (1 carton contains 10 bottles).	250 ml bottle (1 carton contains 10 bottles).	1 litre unit (1 carton contains 10 units).

APPLICATION

Consumption per running metre joint*	5 ml	5 ml	12 ml
Coverage per unit*	50 m	50 m	80 m
Working temperature	+5°C to +35°C	+5°C to +35°C	+10°C to +35°C
Open time of primer** (acc. to DIN EN 26 927)	approx. 10 to 20 min.	approx. 15 to 60 min.	approx. 6 to 36 hours
Working time**	-	-	6 hours

* At 10 mm joint depth

** At +23°C and 50% relative humidity. Higher temperatures increase, lower temperatures reduce the times given.

PRIMER TABLE FOR SUBSTRATE PREPARATION

PCI joint sealant Substrate	PCI Carraferm	PCI Eirtan 100*	PCI Eirtan 140	PCI Escutan TF	PCI Fugendicht Silikon E	PCI Silcoferm S	PCI Silcoferm UW	PCI Silcoferm VE
Acrylic glass (e.g. plexiglass)	135	-	-	-	-	135/165	135	-
Aluminum, anodized	0	0/145	-	220	150	0	150	150
Aluminum, non-anodized	0	0/145	0/145	220	150	0	150	150
Acrylic bath tubs	0	-	-	-	0	0	-	0
Concrete	135	110/135	110/135	110/135	135	0/135	135	135
Lead	0	0	0/145	220	-	-	-	-
Chromium	0	-	-	-	150	0	0/150	150
Stainless steel	0	0/145	0/145	220	150	0	0/150	150
Enamel	0	0/145	145	-	0	0	0	0
Reinforced cement	135	110/135	110/135	135	-	135	-	-
Glass	0	0/135/145	0/110/135	135	0	0	0	0
Wood, varnished	R/0	R/135/0	R/145/0	R	R/150	R/0/150	-	R/150
Wood, open-pored, glaze-coated ¹⁾	0/135	R/0/135	0/110	-	150	0	-	150
Wood, untreated	135	110/135	110/135	135	135	110/135	-	135
Sand-lime masonry	-	110	110	135	135	-	-	135
Ceramics, glazed/unglazed	0	0/145	0/135	135	0/150	0	0	0/150
Ceramics, absorbent	0	0/135	135	-	0/150	0	-	0/150
Clinker brick lining	135	0/135	110/135	135	150	0/135	150	150
Plastic profiles of Hostalit Z	-	165	-	-	150/165	0/165	150/165	150/165
Copper	0	145	-	220	-	0	-	-
Linoleum	0	0/135	0/145	-	0/150	0/150	0/150	0/150
Melamine resin (e.g. Resopal)	0	-	-	-	0	0/150	0	0
Brass	0	0/145	0/145	220	-	0	150	-
Natural stone (except slate)	0/150**	-	-	-	-	-	-	-
Polyester	m+0	-	-	-	m+165	0/150/165	m+0	m+165
Polystyrene, roughened	-	0	-	-	-	150	-	-
Aerated concrete	-	135	-	135	-	-	-	-
Plaster (mineral)	-	0/110/135	-	-	-	0/135	-	-
PVC, rigid	150	165	165	-	165	0/165	135/165	165
Plasticized PVC sheeting	0/165	165	-	165	165	0/165	165	165
Steel casting	-	-	-	-	-	-	-	-
Stoneware pipes, glazed/unglazed	0/150	0/135	0/135	135	150	0/135	-	150
Tin plate	0	0/145	0	220	150	0	150	150
Zinc, galvanized iron	0/150	0/145	0	220	-	0/220	-	-

¹⁾ Two coats of primer required.

0 = No primer required

- = Joint sealant unsuitable

m = Roughen substrate mechanically prior to priming or grouting

R = Consult the PCI Technical Advisory Service

* = Primer always required in case of facade and other exterior applications acc. to DIN 18540 or in permanently wet areas.

** = Primer only required for marble in permanently wet areas

PREPARATION OF SUBSTRATE

- The substrate must be clean, dry, sound and free of dust, loose particles, grease and dirt. The substrate must meet the conditions required for the applied PCI joint sealants (see technical data sheets for details).

APPLICATION OF PCI ELASTOPRIMER

- 1 Prior to the application of primer mask joint edges with self-adhesive tape to protect them from any contamination.
- 2 1 part PCI Elastoprimer types are ready for use. With PCI Elastoprimer 220, add contents of the small pack (hardener) to the can (basic component) and mix thoroughly.
- 3 Apply PCI Elastoprimer to the prepared substrate with a paint brush and allow the primer to evaporate. Then apply the respective joint sealant within the open time of the primer (see Technical Data/Application for evaporation times).

APPLICATION OF PCI ELASTOPRIMER 220 AS CORROSION PROTECTION OR BONDING AGENT

- 1 **Acting as corrosion protector**
 - 1.1 Remove rust from reinforcement and apply first coat with a paint brush over the entire surface.
 - 1.2 After a curing time of 6 hours at the earliest, 36 hours at the latest apply the second coat over the entire surface using a paint brush.
- 2 **Acting as bonding agent (not in accordance with ZTV-SIB!)**
 - 2.1 After the reinforced steel is coated apply PCI Elastoprimer 220 in to the substrate using a float or helve brush. The substrate must be completely covered.
 - 2.2 Allow initial hardening of the bonding agent for approx. 10 to 15 minutes.
 - 2.3 Apply repair mortar or fresh concrete and compact.

PLEASE NOTE

- The silane-containing primers PCI Elastoprimer 145 and/or 150 can also be applied with a cotton cloth or similar.
- The suitable joint sealant must be selected in accordance with the PCI technical data sheet.
- To achieve a perfect bond it is required to clean or prepare the substrates according to the details as stated in the PCI technical data sheets.
- Various types of PCI Elastoprimer which can be used as an alternative for the same substrate are indicated in the primer chart.
- In case of self-adhesive PCI joint sealants it is possible for certain applications to use the listed PCI Elastoprimer in addition.
- If a substrate is not listed contact the PCI Technical Advisory Service.
- Contaminations caused by PCI Elastoprimer 110 and 135, e.g. around joint edges, can turn yellow.
- Storage: cool and dry.
- PCI Elastoprimer 220 must not be used as a bonding agent for the refurbishment of surfaces subject to rising moisture.

HEALTH AND SAFETY

■ PCI Elastoprimer 110

Contains toluene and diisocyanate toluene (isomer mix). Highly inflammable. Harmful to health when inhaled. Sensitisation possible through inhalation.

■ PCI Elastoprimer 135

Contains isocyanate prepolymers. Inflammable. Irritant to eyes.

■ PCI Elastoprimer 145

Highly inflammable, irritant to eyes. Repeated contact may cause rough and chapped skin. Vapours might cause sleepiness and drowsiness.

■ PCI Elastoprimer 150

Contains aliphatic hydrocarbonic mixture and toluene. Highly inflammable. Irritant to skin. Harmful to health: May cause damage to the lungs when ingested. Toxic for organisms in bodies of water, may have long-term harmful affects in bodies of water. Vapours might cause sleepiness and drowsiness.

■ PCI Elastoprimer 165

Highly inflammable. Irritant to eyes and respiratory organs. Repeated contact may cause rough and chapped skin. Vapours might cause sleepiness and drowsiness.

■ PCI Elastoprimer 220, Base component

Contains xylene. Inflammable. Harmful to health when inhaled and in contact with skin.

■ PCI Elastoprimer 220, Hardener component

Contains xylene, fatty acids and tall oil reaction products. Inflammable. Harmful to health when inhaled and in contact with skin. Irritant to skin. Sensitisation possible through skin contact.

The following applies to all types of PCI Elastoprimer:

Keep out of reach of children. Containers should be stored tightly closed in a well-ventilated place. Keep away from sources of ignition. Do not smoke. Do not inhale vapours. Avoid contact with eyes and skin. Do not allow primer to penetrate into the drains. Do not induce vomiting when ingested. Seek prompt medical attention and show packing or product label. Wear protective gloves during the application. In case of danger from splashing, e.g. when working overhead, etc., wear safety goggles. For the application of large quantities of PCI Elastoprimer ensure good ventilation, in particular in confined spaces, pits, silos, etc.

For further information refer to the PCI Material Safety Data Sheets.

PCI Augsburg GmbH

Piccardstr. 11
86159 Augsburg
P.O.B. 10 22 47
86012 Augsburg
Germany
Phone 0049 (0) 821/59 01-0
Fax 0049 (0) 821/59 01-390
www.pci-augsburg.de

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