

PRODUCT DATA SHEET

Sika® Primer-190

(formerly MasterSeal® P 190)

Airport runways & pavement joint sealant primer

DESCRIPTION

Sika® Primer-190 is a special two-component primer developed to improve performance and adhesion of SikaSeal®-490 SL.

FEATURES

- Good penetration behavior
- Strong adhesion to absorbent substrates
- Low viscosity

USES

Sika® Primer-190 is used as a primer on porous surfaces like concrete, brick, stone & marble and non-porous surface as steel and asphalt.

PRODUCT INFORMATION

Packaging	1 L Kit
Shelf life	12 months from date of production
Storage conditions	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5°C and +35°C. Protect from direct sunlight, heat and moisture.
Density	~ 0.98 g/ml (mixed)

APPLICATION INFORMATION

Yield	For 15 mm deep joints (2x15 mm adhesion area): approx. 6 ml/m ¹ or 200 ml/m ² . These consumptions are theoretical, and they can vary according to the roughness of the substrate. During the application, coverage can decrease up to 50 % due to surface roughness. It is essential to carry out representative trials on site to evaluate the exact consumption.	
Ambient air temperature	+5°C min. / +40°C max. (3°C above dew point temperature)	
Substrate temperature	+5°C min. / +40°C max.	
Application time	Pot life	~ 6h (23°C and 50% HR)
	Tack-free time	~ 2h (23°C and 50% HR)
	Tack-free time	~ 30 min (40°C)

BASIS OF PRODUCT DATA

- All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
- Internal Reference - Version: MBS_CC-UAE/P_190_03_22

FURTHER INFORMATION

- General Method Statement (GMS)

IMPORTANT CONSIDERATIONS

- Due to its high penetration property, Sika® Primer-190 may cause color fluctuations on granite, marble, natural stone, artificial composites, etc.
- For this reason, primer should not be overfilled out of the joint during the application.
- If surface temperature is below +5°C or over +40°C in Sika® Primer-190 applications, then suitable temperatures must be waited for.
- The substrate temperature of the primed area must be at least 3°C above the dew point temperature.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

- Old coating systems of unknown composition must always be removed.
- All substrates (new and old) must be structurally sound, dry, free of laitance and loose particles and clean of oil, grease, rubber skid marks, paint stains and other adhesion impairing contaminants.
- When the primer is applied, the concrete must be at least seven days old and have reached at least 70 % of its 28-day strength value.
- Apply masking tape on the outer sides of the joint to prevent staining. When priming the contact surfaces of joints, the round polyethylene string must be positioned in the joint before the primer is applied.
- For metal substrate, remove rust oil stains and grease from the substrate with a suitable oil remover. Do not allow flash rusting of the surface.
- Fill deep joints with closed cell polyethylene backer rod which must not be damaged during the application. Do not use backer rods containing bitumen or tart.
- For metal substrate application, please contact Sika Technical Service for advice.

MIXING

- Sika® Primer-190 is supplied with A-component and B-component in the correct ratio. When mixing the two components, you must observe the following points. Make sure that you pour the entire B-component out of its container into A-component. Continue mixing until you have produced a homogeneous mixture without any residue – you must mix the components for at least one minute or until you have produced a homogeneous mixture, whichever is longer. You can also use a suitable hand-held stirrer.
- When you have mixed the components, you may remove part of the primer from the container. You must then close the container tightly.
- The appearance of Sika® Primer-190 does not change, even if it is no longer suitable for application. You must therefore make sure that all the material is used within 6 hours after mixing (at 23°C). During this time, the consumption might increase due to increasing viscosity.
- Please note that after mixing A and B components, the mixture might turn into slight pink colour in the container. This is normal and it will not color stain the substrate.

APPLICATION

- Apply the primer generously to the adhesion surfaces for the joint sealing material using a brush.
- In order to ensure full curing, the material and substrate temperatures must not be lower than the minimum limit at any location or at any point during the curing time.
- Primer must not be applied on the surface of polyethylene backer rod. After the primer becomes tack free, sealant application should be started.
- The joint sealant has to be applied within the open time of minimum 2 hour to maximum 6 hours at 23°C.
- In case the primer become completely dried, or time exceeded 6 hours, then sealant application should not be started, joint surfaces must be reprimed again with Sika® Primer-190. No surface preparation needed, only make sure the surfaces are clean and dust-free.
- If the joint is not sealed withing 24 hours, the cured primer should be removed and joint reprimed.

CLEANING OF EQUIPMENT

- Fresh material may be removed from tools using a solvent. Once the primer has hardened, it can only be removed mechanically.
- Safely dispose all the used brushes.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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Construction Chemicals LLC
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All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



Product Data Sheet

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