

WEBINAR Q & A

Q: Can Sika Drainage Mat be used on a plaza deck subjected to fire truck loading? What backup literature can Sika provide?

A: Drainage mat 1000 compressive strength is 40,000 psf. You will need to match up the compressive vs max loading of the truck condition.

Q: How will you repair for the column damage due to dead end PT failure?

A: The design for the repair of the PT failure will need to be addressed by an experienced structural engineer. They may utilize various methods such as re-tensioning of the PT wires, crack injection, carbon fiber strengthening, etc.

Q: FRP can also be used for confinement as well. Many times, engineers specify FRP for sole purpose of confinement of the repair being made.

A: That is correct. FRP can be used to strengthen concrete structures but can also be used to confine columns or repair areas to protect against movement or other external stresses.

Q: I don't think carbon fiber can repair or strengthening the corrosion deteriorated structures without repairing the corrosion issue first.

A: Correct, externally bonded FRP systems should not be applied to concrete substrates where the cause(s) of the corrosion has not been addressed, and the corrosion-related deterioration has not been repaired.

Q: If I have a building that may require repairs or waterproofing, can a Sika rep come out to the jobsite and take a look and maybe help us find competent engineers and/or contractors?

A: Yes, a Sika representative would be more than willing to come out and take a look and help you with a solution as well as help find engineers/contractors. We have extensive relationships in the industry and are more than happy to help with that.

Q: Does SIKKA recommend contractors?

A: Yes, we can provide recommendation on good contractors in your area to perform all types of work. You can contact the local Sika representative by using the find a rep on our website.

Q: What's the minimum & maximum width to perform rout and seal repair?

A: Sika's rout and seal is recommended for cracks that are between 1/16" to 1". Below this we recommend just a detail coat over the crack and over this it should be treated as an expansion joint or other structural issues should be investigated.

Q: What warranties are available?

A: Warranties are based upon the product and system being specified and can vary based on the application requirements. Warranties will vary depending on products and usage. It's best to review this with a local representative with respect to the products and applications you are looking at.

Q: Is there a way to get sika certified?

A: We can offer specific training as needed for projects or applications on site.

Q: For FRP, many jurisdictions require that these items be fireproof. What options are there?

A: Sikacrete 213F is a fireproofing material which has been UL tested with FRP to achieve a 4-hour rating system.

Q: Do Carbon Fiber Strips take the place of the failed rebar or pretension cable or does repair generally need to be made?

A: Depending on the load requirements and the number of strands broken. FRP can only be secondary reinforcement.

Q: Can you discuss how surface applied corrosion inhibitors work?

A: Surface applied corrosion inhibitors are liquids that can be sprayed, rolled or brushed onto concrete surface to protect the embedded steel by depositing a physical barrier in the form of a protective layer on the surface of the steel reinforcement. This barrier inhibits corrosion of steel.

Q: Will Sika have a PT repair session?

A: We currently do not have anything planned but check back on our website regularly for updated schedules

Q: where would you inject epoxy and when urethane

A: Epoxy would be injected for structural repairs, urethane for waterproofing/water stopping.

Q: Will plant roots penetrate waterproofing in planters?

A high-density drainage matt and a filter fabric is commonly applied on top of the planter waterproofing to create a barrier between waterproofing and the media.

Q: How can we access your information for repairs, I assume you have regional reps

A: You can find a local rep on our website:

<https://usa.sika.com/en/construction/balconies/contact-the-team/find-a-sales-representative.html>

Q: Can these products be applied any time of the year (i.e. rainy season in Seattle)?

A: Each product will have best practices for installation. We offer our full range of products in the Seattle market and we can get you in touch with our local people to help support you.

Q: Does Sika have any design guide for Carbon Fiber remediation systems?

A: Yes, our design guide follows the ACI 440.2R-17. Feel free to reach out to us to get access to our CFRP design guide.

Q: Is there a coating or finish that is recommended to cover FRP in an exposed condition?

A: We commonly recommend Sikagard 670W or 570W protective coating to be applied over our CFRP system.

Q: can you have a a fully liquid roof system is it only used for difficult flashings conditions

A: We have fully liquid roofing systems that are applied throughout the entire roof, not just flashing conditions. This is our RoofPro Line.

Q: Can you use FRP on marine environment?

A: Yes, specific FRP systems can be used in a marine environment, specifically SikaWrap Presaturated systems.

Q: I would like to become a sika certified installer. I would like to get more into detail of how to install the products correctly.

A: Please reach out to your local rep here to schedule a meeting to discuss products and applications

<https://usa.sika.com/en/construction/balconies/contact-the-team/find-a-sales-representative.html>

Q: If a crack in the surface of a balcony slab, less than a 1/16" reflects through the membrane which is otherwise in satisfactory condition, is it necessary to remove the membrane before replacing and/or rout crack?

A: We would not expect a crack < 1/16" to reflect through the membrane unless there is something structural going on. In this condition we would recommend an engineer review before making any repair recommendations.

Q: What assistance does the Sika team provide for the initial pre-inspection process

A: Sika can help provide contact to consultants as well as provide information on what products can be used.

Q: On a past job, we spend much in surface prep, and led to a potential dispute. How much surface prep is really required?

A: Surface preparation is listed on each of our product data sheets. Please refer to the ICRI Surface Profile Chips to determine the actual preparation needed based on the published preparation.

Q: Very interested to know more about Carbon fiber if a beam failing bending What is the Carbon Fiber strength that can add to beam?

A: ACI 440.2R-17 has strengthening limits in place for FRP. If a beam is failing, an engineer should get involved to check if FRP is a good solution.

Q: If a building requires additional strengthening.... How does Sika handle design and assisting a client with CRFP? Do they work hand in hand with an EOR?

A: Sika provides design assistance either directly through Eri Vokshi, our in-house PE or through our CFRP design software [Sika CarboDur FRP Design Software](#).

Q: Do the embedded zinc anodes have a potential to create spalling?

A: No, the material which the anode is encased in does not expand to cause stresses to the surrounding concrete.