

What are the occuring problems with Structures?

- Construction Methods: : The method used during construction plays a significant role in the longevity and durability of a structure. Poor construction practices or shortcuts can lead to weakened structural integrity over time.
- Weather Conditions: Exposure to harsh weather elements such as rain, snow, extreme temperatures, and humidity can gradually deteriorate building materials and weaken the structure's integrity.
- Lack of Protection: Adequate protection measures, such as waterproofing and sealing, are crucial for shielding the structure from environmental damage. Without proper protection, the materials are more susceptible to deterioration.

What are the occuring problems with Structures?

- Moisture and Water Damage: Moisture infiltration is one of the primary culprits behind structural weakening. Water can seep into the building materials, causing rot, rust, corrosion, and degradation over time. This weakening process can compromise the structural stability of the entire building.
- Use of Unsuitable Materials: In some cases, the use of inappropriate or substandard building materials can contribute to structural weakening. Materials that are not designed to withstand environmental conditions or structural loads may deteriorate prematurely, leading to structural issues.
- Insufficient Materials: Insufficient quantities or quality of materials used during construction can also lead to structural weakening. Inadequate materials may not provide the necessary strength or durability required to support the structure effectively.

Repairing

Optimal Adhesion to Weak and Moist Surfaces:

Products designed specifically for repairing cracks and openings should have excellent adhesion properties, especially to surfaces that are weakened by moisture. This ensures that the repair material effectively bonds to the substrate, providing long-lasting durability and stability.

2 Avoiding Water Reactive Products:

Some repair products may react adversely to water, particularly in historical structures where preservation is essential. Water-reactive products can cause harm by further deteriorating the structure or altering its appearance. Therefore, it's essential to choose repair materials that are compatible with the specific characteristics of the surface and environment.

3 Avoiding Heavy Chemicals and Acids:

When working with monuments or historical structures, it's important to avoid using heavy chemicals and strong acids for repair purposes. These harsh substances can cause damage to the original materials, leading to irreversible harm to the structure's integrity and aesthetic value. Instead, opt for gentler repair solutions that are suitable for preserving the monument's original features.

4 Consideration for Preservation:

Preservation should be a top priority when repairing cracks and openings in monuments or historical structures. The chosen repair products should not only effectively address the structural issues but also respect the historical significance and integrity of the monument. Selecting compatible materials and techniques ensures that the repairs blend seamlessly with the existing structure while safeguarding its heritage value.

5 Professional Expertise:

Repairing cracks and openings in monuments often requires specialized knowledge and skills. It's advisable to seek guidance from professionals or experts in historic preservation to ensure that the repair work is carried out with the utmost care and sensitivity to the monument's unique characteristics and historical importance.



Logic UW

- Logic UW is a unique product based on epoxy resin, free from fram or other additives
- Its innovative technology allows it to spread effortlessly through pores, effectively repairing even the smallest capillary cracks.
- Unlike traditional products, Logic UW does not dissolve in water, ensuring it won't contaminate drinking water sources.
- Moreover, it is formulated without harmful ingredients or vapors, making it safe for use on porous surfaces without causing damage. This versatility and safety make Logic UW an ideal choice for various repair applications where water resistance and environmental friendliness are paramount.







Logic UH

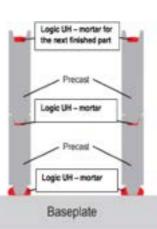
- Logic UH is a product formulated from epoxy resin combined with sand, free from foam or any additional additives.
- Leveraging innovative Logic technology, this product seamlessly spreads through pores and exhibits optimal adhesion to surfaces.
- Primarily used for repair and sealing applications, Logic UH is ideal for joints, roofs, and construction beams.
- Notably, it remains insoluble in water, ensuring it does not contaminate drinking water sources.
- Furthermore, it is free from harmful ingredients and dampness, making it suitable for use as repairing mortar in porous buildings.



Logic UH

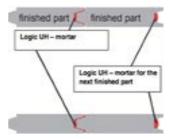
- Logic UH serves as a proactive measure during building construction, where it can be applied preventively between layers to enhance protection. Its elasticity enables it to absorb movements and vibrations, effectively preventing cracking.
- Additionally, Logic UH can be utilized to repair weak columns, reinforcing their structural integrity.

■ This preventive approach not only safeguards against potential damage but also enhances the overall stability and longevity of the building.



Logic UH Flex

- Logic UH Flex is an epoxy resin-based product, devoid of foam or additional additives. It serves as a flexible variant of Logic UH, tailored for surfaces subjected to frequent use or featuring dilations.
- The enhanced flexibility of Logic UH Flex extends the service life of the treated area, providing increased durability.
- It is particularly effective in reinforcing concrete columns and sealing closed openings in walls and foundations, thereby bolstering the overall strength and stability of structures.





Why should we use Logic Products

- The resin products exhibit insolubility in water, ensuring environmental friendliness and non-harmfulness to drinking water and groundwater.
- Their advanced binding technology provides a substrate bond 20 times stronger than that of competing products.
- Additionally, these resin products boast water-repell€.nt properties, enabling their use underwater or on wet surfaces. With a flexibility range between 30-75%, they efficiently repair damages and offer greater strength than concrete.







Logic DP

- Logic DP utilizes an impregnation method to protect concrete by deeply penetrating its surface.
- Upon application, Logic DP significantly enhances the strength of concrete, making it 20 times stronger.
- Its technical composition provides comprehensive protection against various agents including water, mineral oil, solvents, acids, salt, combustion gases, and pressure.
- Additionally, Logic DP forms a colorless coating, preserving the natural appearance of the concrete while ensuring long-lasting durability and resistance to environmental elements.

Logic DP

- Logic DP is insoluble in water, ensuring that it does not affect drinking water quality once the coating is fully cured.
- ■Thanks to Logic Chemie technology, Logic DP penetrates deeply into concrete pores, forming a strong bond and surface seal.
- This advanced penetration capability ensures effective protection and durability for concrete structures.







Logic DP Logic DS

- More robust than membrane options, our solution offers practicality and longevity.
- Comes with a warranty of at least 20 years.
- Ideal for beams, columns, foundations, and building bases.
- For those desiring a color coating, we recommend Logic DS.

