Restoration of electrical systems after water damage

Electrical systems + water = the end?

Bremer & Leguil has developed a procedure with which electrical installations can be saved in many cases after water ingress, e.g. due to flooding or extinguishing water.

Attention! Do not allow sludge residues to dry out. It will then be almost impossible to wash it out. Quick action is required. Components from which the cleaning fluids cannot flow out again must first be dismantled and cleaned separately.

Step 1

Spray contaminated system components with our **Rivolta E.V.R.** electrical pre-cleaner. To do this, apply the product generously and undiluted using e.g. a **B&L foam sprayer** (1.5 litres). The exposure time of the foam should be approx. 5 to 10 minutes.

Step 2

The soaked/dissolved residues can now be rinsed out of the system. **Rivolta E.V.R.** has proven to be effective for this purpose when used with the **SF 23 Plus high-pressure cleaning device**. The device works extremely gently, efficiently and economically.

Step 3

Displace the water, cleaner and residues that have penetrated. Rinse the pre-cleaned system with our **Rivolta W.S.X.** moisture displacer until clear liquid emerges. Apply using the **SF 23 Plus high-pressure cleaning device** or our **professional pressure sprayer** (1 litre).

Step 4 (Optional and depending on the degree of soiling*)

Have you noticed oxide formation? Dissolve oxide or sulphide layers with our **Rivolta O.C.X.** oxide remover. Spray the product onto the affected areas and leave to work for approx. 15 minutes. Apply using our professional pressure sprayer (1 litre) or spray can.

Bremer & Leguil GmbH | Am Burgacker 30 - 42 | D-47051 Duisburg | T: +49 0203 99 23 - 0 | info@bremer-leguil.de | www.bremer-leguil.de

Step 5

Now the main cleaning* of all electrical components is usually carried out with our high-performance electric cleaner **Rivolta S.L.X. Top** and our **SF 23 Plus high-pressure cleaning device.** The cleaning process is continued until a sufficient cleaning result can be recognised.

Step 6

The entire system is then dried using, for example, our **B&L wet/dry vacuum cleaner**, an industrial blower or similar. This speeds up the repair time, i.e. the evaporation time of the cleaning fluid is considerably reduced. Do not use pressurised or compressed air for this purpose. This can damage sensitive electrical components (e.g. spring elements) and usually contains water and oil.

Step 7

Cleaning of non-energised system components: Clean all door and housing surfaces, plastic and cable covers, etc. with e.g. our aqueous power cleaner **Rivolta B.W.K.** and lint-free cleaning cloths. Application options: 750ml spray bottle (ready-mix).

Step 8 (optional and preventative, depending on location)

Moisten all electrical components with our **Rivolta W.S.X.** moisture protection.

The restoration is complete.

*The choice of product for the main cleaning can vary depending on the degree of soiling and/or the desired repair time. Our technicians will be happy to advise you.

Note: This process description does not claim to be exhaustive. An examination of the exact circumstances and assessment of the feasibility of the proposed work steps must be determined and specified individually by the specialist on site. The electrical system may only be switched on after all necessary final checks have been carried out and our products have dried completely.

Bremer & Leguil GmbH | Am Burgacker 30 - 42 | D-47051 Duisburg | T: +49 0203 99 23 - 0 | info@bremer-leguil.de | www.bremer-leguil.de