












Table 1. Renovation process technology for folding panel reinforced concrete constructions

| Item No. | Process name and its visualization | Used materials | Building regulations |
|---|---|--|---|
| 1 | 2 | 3 | 4 |
| 1. Geometry design reconstruction of folding panel | | | |
| 1 | <p>Surface clearing and reinforcement cleaning</p>  | | |
| 2 | <p>Form erection</p>  | Non-prefabricated form | |
| 3 | <p>Covering reinforcement and concrete surface with anticorrosive and claying mixture</p>  | Anticorrosive and claying mixture Ceresit CD 30 ²⁰¹² "2 in 1" | Covered no later than 3 hours after reinforcement cleaning |
| 4 | <p>Placing aggregate for repair</p>  | Aggregate for repair Ceresit CD 22 ²⁰¹² with the addition of elastic emulsion Ceresit CC 83 | Covered after partial drying out of contact layer, in 30-60 minutes |

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| 1 | 2 | 3 | 4 |
| 5 | <p>Vertical surface alignment using spackle</p>  | <p>Polymer-cement spackle Ceresit CD 24</p> | <p>In 48 hours after works completed</p> |
| 2. Laying a screed using strips | | | |
| 1 | <p>Sizing</p>  | <p>Thomsit R 766 - multifunctional acrylic primer</p> | <p>After 3 days</p> |
| 2 | <p>Covering with adhesive layer</p>  | <p>Adhesive layer Ceresit CD 22²⁰¹² + Thomsit R766 - reinforced with alkali-resistant fibreglass mesh with the thickness of 4 mm</p> | <p>Immediately after coating with primer</p> |
| 3 | <p>Laying a screed</p>  | <p>Aggregate for repair: Ceresit CD 22²⁰¹²</p> | <p>Immediately after coating with adhesive layer</p> |

| 1 | 2 | 3 | 4 |
|---|---|--|--|
| 3. Decorative and protective coating | | | |
| 1 | Covering surface with epoxy primer and subsequent quartz sanding  | Ceresit CF 87- epoxy primer | After complete drying out of the aggregate |
| 2 | Polyurethane coating  | Ceresit CF 91 – Polyurethane composition | After 24 hours |
| 3 | Covering decorative and protective paints  | Ceresit CF 97 – polyurethane paint | After 48 hours |