

**PRODUCT DATA SHEET**

Edition: 201912

**FSE502***HIGH-STRENGTH ADHESIVE FOR LEVELLING AND REPAIRING OF SUBSTRATE SURFACE***APPLICATION SCENE** ◆As leveling adhesive, repair defect on substrate surface.**ADVANTAGE** ◆Easy to use, 2:1 ratio.  
◆Moisture tolerant.  
◆Low viscosity, good liquidity.  
◆Excellent for filling small holes and chipped-out concrete.**TECHNICAL DATA**

<b>Packaging</b>	20 kg (component A) and 10 kg (component B) per kit.
<b>Color</b>	Component A: transparent, Component B: brown Component A+B mixed: yellow
<b>Shelf Life</b>	18 months in original, unopened packaging. Store dry at temperatures between 4 and 32 °C.
<b>Mix Ratio</b>	A:B = 2:1 by weight
<b>Service Temperatures</b>	+5 °C min. / +40°C max.
<b>Operable time</b>	40 minutes
<b>Tacky Dry Time (25°C)</b>	1.5 hours
<b>Tensile Strength (ASTM D638)</b>	35 MPa
<b>Shear Strength (ASTM D638)</b>	60 Mpa
<b>Compressive Strength (ASTM D695)</b>	90 Mpa

**OPERATION  
PROCEDURE****Surface Pretreatment**

The concrete surface must be applied with *FSE302* and wait till tacky touch.

**Mixing**

Prestir each component separately to ensure uniform color and consistency. Empty Component B into Component A in the correct ratio and mix the combined components for at least three (3) minutes at low speed (300 - 450 rpm) with Jiffy type paddle suited to the volume of the mixing container. For bulk packaging and when not mixing full units, each component must be pre-stirred separately to ensure product uniformity and then accurately measured into a suitably sized and clean mixing container. Keep the mixing paddle in the material to avoid introducing or entrapping air while mixing. Ensure that the mixed components are completely blended to avoid any weak or partially cured spots in the applied material. During the mixing operation, scrape down the sides and bottom of the container with a flat or straight edge trowel at least

once to ensure complete mixing. When completely mixed, the mixture should be uniform in color and in consistency.

#### **Application**

Prior to application, make sure that the primer applied is tacky dry, where a second coat is required, wait until first coat is tack free, which is typically after 12 hours at 20 °C and apply a second coat of the levelling adhesive using the same technique and at the same coverage as the first. Ensure that the second coating is free of pinholes and holidays and provides uniform and complete coverage of the entire concrete substrate.

#### **Clean Up**

Clean all tools and equipment with Cleaner. Once hardened, product can only be removed mechanically. Wash soiled hands and skin thoroughly in hot soapy water.

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#### **LIMITATIONS**

- ◆ Minimum surface temperature: 4 °C.
- ◆ Do not thin with solvents, it will prevent proper cure.
- ◆ Use oven-dried sand only.
- ◆ Maximum epoxy mortar thickness is 38 mm per lift.

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#### **HEALTH & SAFETY INFORMATION**

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological and other safety-related data.

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