



## TECHNICAL DATA SHEET

### BIOFIRM BIO SILICATE FIXAKTIV

#### GENERAL DESCRIPTION

As one of the very few manufacturers, the company BIOFIRM has been successful in developing a basis for a single-component pure silicate and thus eliminating admixture of acrylic resin or styrene. In order to still be able to form a dispersion character, a biological polymer has been formulated on a plant base in such a way that it forms the basis for producing a silicate fixative. As the first manufacturer, BIOFIRM has the expertise to combine potassium silicate and biopolymer in a single system and can offer it ready for using as a transparent primer in a canister.

#### PROPERTIES

BIOFIRM BIO SILICATE FIXAKTIV combines the properties of the raw material water glass and a new, bio-based polymer in a highly permeable primer, in which the wall surfaces are not "stuck" with conventional binders.

BIOFIRM BIO SILICATE FIXAKTIV transparent is well-wetted, contains no preservatives, and dries well. BIOFIRM BIO SILICATE FIXAKTIV is highly alkaline and therefore protects against mildew. After mineral silicification, a quasi-disinfected surface results on the respective substrates.

Our density is ca. 1.1g/l and our pH value is ca. 11.3.

#### AREAS OF APPLICATION

BIOFIRM BIO SILICATE FIXAKTIV is a usable foundation for strengthening and saturation of crumbling and highly absorbent substrates. Silicate fixative is suitable for priming lime and clay plasters as well as other mineral substrates such as cementitious mortars and putties. After preliminary inspection, dispersion salt paints can also be primed and stabilised.

#### PRECEDURE

The substrate must be clean, dry, and porous. Solid, non-chalking, and sand and chalking plaster and stone surfaces are suitable as based on lime and cement, as well as stable old dispersions. Concrete and clay substrates are also suitable.

New plaster should be well-dried before the first coat (5-7 weeks). Old coatings such as oil paint or varnish must be removed. Shake well/stir before using BIOFIRM BIO SILICATE FIXAKTIV. Process the silicate fixative only within a temperature range of 5°C to 30°C.

The wall humidity must be below 15%. It is essential to paint a trial area on substrates that are not exactly determinable or substrates in which there is a risk of penetrable materials. The manufacturer's instructions on the substrate materials such as plasterboard must also be observed.

BIOFIRM BIO SILICATE FIXAKTIV can be diluted with water at a ratio of 1:1 if necessary. Paint the substrates one to two times. Paint several times with very diluted moisture in the case of highly absorbent/porous substrates. After the application, a drying time of 8 hours must be followed. You can then continue working with BIOFIRM BIO SILICATE PAINT. Do not paint in direct sunlight or excessive heat.

BIOFIRM BIO SILICATE FIXAKTIV transparent with alkaline resistant Quast, masonry brushes, or a short-pile paint roller. Perform a trial coating of at least two square metres on dubious surfaces. Let the trial areas dry well (min. 2 days). Then check the adhesiveness and see if there are any cracks.

#### STORAGE



Store BIOFIRM BIO SILICATE FIXAKTIV in a cool and frost-free location with the lid properly closed. Can be stored for up to 12 months.

#### **USAGE**

Depending on the condition of the substrate, use 100-200 ml litre per m<sup>2</sup> and coat.

#### **TOOL CLEANING**

Clean tools immediately with water.

#### **SAFETY INFORMATION**

BIOFIRM BIO SILICATE FIXAKTIV is highly alkaline. Protect surfaces not to be treated (e.g. glass, ceramics, wood, etc.) using the appropriate cover materials. Rinse splashes on uncovered environmental and traffic areas immediately with plenty of water and remove them. Protect eyes and skin from splashes. Wear gloves and safety goggles. Mask and cover adjoining surfaces properly. Ensure tools are clean and suitable. Keep away from children. Carefully close the airtight container after use.

#### **DISPOSAL**

Dispose of liquid product residues at collection points for old paints/varnishes or dispose of according to local regulations. Small quantities of residue and soaked work materials can be disposed of after drying with the household rubbish. Only recycle cleaned or completely empty packaging with dried out deposits or dispose of them according to local regulations! Packaging that cannot be cleaned or emptied properly should be treated and disposed of like the product!

#### **NOTES**

The details of this technical Information/data sheet are binding. But they do not replace the check to be performed by the user for the suitability of the product and substrate. Upon publication of this data sheet, all previous information is no longer valid. Please take note of the current safety data sheet for other provisions.

