

FTB

FTB SH 500

ART NR 40.809

CONSOLIDANT FOR DECAYED MASONRY ON AN ETHYLORTHOSILICATE BASIS (100 %)

DESCRIPTION

FOR RENOVATION- OR RESTORATION WORKS ON FRONTS, IT CAN HAPPEN THAT THE MATERIALS, HAVING INSUFFICIENT MECHANICAL SURFACE CHARACTERISTICS MUST BE TREATED (PEELING OFF, POWDERY SURFACE), IN RELATION TO THE GOOD STRENGTH IN THE MASS OF ADJACENT ELEMENTS OR TO THE HOLE BUILDING.

IN SUCH CASES, IN ORDER TO KEEP THE ERODED PARTS, A CONSOLIDATION ON THE SITE CAN BE EXECUTED.

THIS METHOD OFFERS THE FOLLOWING ADVANTAGES:

- * LOWER COST THAN THE REPLACEMENT OF THE ELEMENTS.
- * MAINTAIN OF THE ORIGINAL MATERIAL AND THE VIEW OF THE FRONT.
- * POSSIBILITY TO GUARD THE ARCHITECTURAL STRUCTURE, IN CASE THE TREATMENT IS DONE IN TIME.

COMPOSITION

FTB SH 500 IS A 1-COMPONENT SYSTEM ON A BASIS OF ETHYLORTHOSILICATE OR ORTHOSILICON ACID ETHYLESTER. THIS ORGANIC SILICATE IS THIN, LIQUID AND CAN PENETRATE DEEPLY IN POROUS STONES.

THE MAIN EFFECT OF CONSOLIDANTS IS THE AMELIORATION OF THE COHESION OF THE MATERIAL. THIS EFFECT IS REFLECTED IN AN INCREASING OF THE TENSILE STRENGTH AND IN THE HARDNESS OF THE ATTACKED ZONE.

THE EFFECT OCCURS WHILE SILICA-JELLY IS ACTING AS A SUBSTITUTING BINDING AGENT AND REPAIRING THE LOST BINDING OF THE GRAINS.

APPLICATION

FTB SH 500 IS SUITABLE FOR:

- * SILICON-, CLAY- AND CARBONATEBOUND SANDSTONE (BALEGEM, CHAUVIGNY, ETC.)
- * TUFF STONE
- * TRACHYTE
- * CONCRETE AND MASONRY
- * JOINTING

METHOD OF WORKING

PREPARATION OF THE SUPPORT:

BEFORE TREATING THE SUPPORT WITH FTB SH 500 IT HAS TO BE CLEANED CAREFULLY.

NOTE: IN CASE OF VERY STRONGLY CORRODED SURFACES A "PRIMARY CONSOLIDATION" CAN BE APPLIED, BEFORE THE CLEANING.

TREATMENT:

WHEN THE CLEANED SURFACE IS COMPLETELY DRIED AND THE ABSORPTION CAPACITY OF THE SUPPORT IS REPAIRED, THE TREATMENT WITH THE CONSOLIDANT FTB SH 500 CAN BE STARTED.

AS WELL WHEN WETTING OR AIRLESS SPRAYING, IT WILL BE GENERALLY NECESSARY TO PUT THE WANTED QUANTITY BY REPEATED TREATMENTS, WET-IN-WET. THE WANTED PRODUCT QUANTITY WILL BE STIPULATED BY MAKING IN ADVANCE SMALL TEST-SURFACES, USING AS CRITERIA A SUFFICIENT PENETRATION DEPTH.

THIS DEPTH DEPENDS ON THE CORROSION, BUT IT MUST BE AS A RULE OF THUMB 15 MM.

NB: IN GENERAL THE WORK CANNOT BE DONE IF THE AVERAGE DAY TEMPERATURE IS BELOW 10°C.

DIRECT SUNSHINE DURING THE APPLICATION SHOULD BE AVOIDED.

PROTECT GLASS SURFACES.

CHARACTERISTICS

PERCENTAGE SILICON ACID ETHYLESTER:	100 %
DENSITY:	1,00 AT 25°C
FLASHING POINT:	48°C
COLOUR:	COLOURLESS TO VERY PALE YELLOW
ODOUR:	SOLVENT

CONSUMPTION

DEPENDING ON THE ABSORPTION CAPACITY OF THE STONE, THE DEGREE OF CORROSION AND THE STONE-TYPE: 0,5 LITRE TO 1,5 LITRE/M².

■ **CONDITIONING**

25 LTR, 200 LTR, 1000 LTR

■ **STORAGE TIME**

1 YEAR IN CLOSED CONDITIONING AND FROST-FREE.

■ **PRECAUTIONS**

BECAUSE OF THE FIRE RISK IT IS FORBIDDEN TO SMOKE DURING THE APPLICATION.
AVOID CONTACT WITH THE SKIN. IT IS RECOMMENDED TO WEAR GLOVES AND A MOUTH MASK..

■ **EPILOGUE**

OUR TECHNICAL INFORMATION IS BASED ON OUR OWN EXPERIENCE AND IS GIVEN IN GOOD FAITH. WE GUARANTEE A CONSTANT QUALITY OF OUR PRODUCTS, BUT WE CANNOT ACCEPT ANY RESPONSIBILITY CONCERNING THEIR APPLICATION.