

# REPAIR, COATING AND STRENGTHENING OF CONCRETE AND METAL

## MSS 585 nanostrengthened epoxycoating

### Viscous, elastic self leveling nanostrengthened epoxycoating

MSS 585 gives excellent adhesion, great chemical resistance and good abrasion resistance in difficult conditions.

#### Adhesion and resistance

MSS 585 has great mechanical and chemical resistance. Product stands up humidity, but it can't be installed if concentrated loads are too big. MSS 585 adheres excellently to concrete and asphalt also in rough conditions.

#### Application

MSS 585 can be applied as a primer/moisture barrier/coating to concrete that is 1- 7 days old. First the surface has to be grinded and cleaned properly and if needed install fiberglass on to the surface. Product impregnates and adheres also to new concrete. Application time with ready-mixed product is 20 - 30 min and it is surface dry in 8 hours at 20°C.

#### Technical data

Hardness (Shore D)	40-60
Modulus	3GPa
Elongation to break	12%
Viscosity	200 Cp at 25 °C
Compression strength	70-75 N/mm <sup>2</sup>
Tensile strength	40-45 N/mm <sup>2</sup>
Mixing ratio	2:1
Pot Life	20 min - 4 h depending on curing agent
Curing temperature	above 10°C
Storing	1 year 10-40 °C
Density	A= 1,1 kg/l, B=1,0 kg/l
Color	Clear or pasted

**Package Size**  
Available in different sizes.

#### MSS 585 immersed chemical resistance (in 15-25 C temperature)

NaOH (5%)	3
Hydrochloric acid (50%)	4
Sulfuric acid (50%)	4
Solvents (Ethanol, Xylene etc.)	4
Greases and oils	5
Dichloromethane	2

5 = excellent resistance  
4 = good resistance  
3 = good temporary resistance, wash off as fast as possible  
2 = good temporary resistance, wash off immediately  
1 = short temporary splash resistance  
0 = no resistance