



Data sheet NM Försegling 62 F

Utg: 1999-05-20
Ers: 2004-09-20
Rev: 2005-04-21

NM Försegling 62F is a solvent free epoxy sealant that fulfil the demands in **Bro 2002 and 2004, Appendix 6-5** of the Swedish Road Administration (SRA).

NM Försegling 62F is to be used under mastic asphalt or polymer-modified bitumen sheet. NM Försegling 62F can be mixed with quartz sand to make a mortar, as surface drainage or as primer. Concrete surfaces to be treated with NM Försegling 62F shall be grit blasted or grinded and totally clean from dust, oil, chemicals, lose materials etc. Steel surfaces shall be primed with NM Stålprimer 270 after grit blasting.

NM Försegling 62F is to be applied with roller or brush.

Typical properties

Test	Chapter Bro 2004	Mean value	Demand to Bro 2004, Appendix 6.5.
Test of individual components			
Density NM 62 FA @ 20°C	1	1,117 kg/m ³	Attached by delivery
Density NM 62 FB @ 20°C	1	1,021 kg/m ³	Attached by delivery
Viscosity NM 62 FA @ 23°C	2	240 mPa·s	Attached by delivery
Viscosity NM 62 FB @ 23°C	2	420 mPa·s	Attached by delivery
IR-Spectrophotometric analysis	3	-	Attached by delivery
Test of mixed and/or cured components			
Viscosity @ 12°C	5	1000 mPa·s	≤ 4000 mPa·s
Pot life	6	27 minutes	≥ 10 minutes
Hardness (Time to full cure) 7 days, 23°C, 50% RH	7	Final hardness 98 = 100%	≥ 60
Hardness (Time to full cure) 18 h, 23°C, 50% RH	7	Hardness 74 = 76%	50%, ≤ 18 h
Hardness (Time to full cure) 40 h, 12°C, 85% RH	7	Hardness 73 = 74%	50%, ≤ 40 h
Ash content	8	< 0.1 w.-%	< 0.1 w.-%
Non-volatile-matter content	9	98.0 w.-%	≥ 97,5 w.-%
Extractable substances	10	8.2%	≤ 11%
Water sensitivity	11	No disturbance	No disturbance
Water absorption	12	2.2 w.-%	≤ 2.5 w.-%
Adhesion between sealant and mastic asphalt	20	1.5 MPa	≥ 1,0 MPa
Tests to concrete			
Defects	14	> 100 GΩ	> 500 MΩ
Thermal stress with silicon oil	15A	No damage	No damage
Thermal stress at torching	15B	No damage Adhesion: 4.3 N/mm ² *	No damage Adhesion: ≥3.0 N/mm ²
Freeze-thaw stability	16	Sealant is tight. Adhesion: 3.1 N/mm ²	Sealant shall be tight. Adhesion: ≥3.0 N/mm ²
Suitability on fresh concrete	17	Sealant is tight. Adhesion: 5.11 N/mm ²	Sealant shall be tight. Adhesion: ≥3.0 N/mm ²

* Failure to glue joint. This kind of failure means that adhesion between concrete and epoxy is greater than measured values.

Resin: NM Försegling 62 FA	Hardener: NM Härdare 62 FB	Mixing ratio: Resin-Hard. 100-33 by weight
Lowest curing temperature: +8°C onto surface. Surface temperature shall be at least 3°C over dew point for the surrounding air.	Colour: Transparent Tools: Cleaned in acetone.	Normal packing: 15.0 + 4.950 = 19.95 kg

Consumption as concrete sealant:

Minimum 1.0 kg/m² divided in two equal layers. First layer shall be saturated with quartz sand, 0.5-2 mm.

Consumption as steel sealant:

To the NM Stålprimer 270 primed surface, an amount of minimum 500 µm NM Försegling 62 F should be applied.

The surface should be sprinkled with 0,75 kg/m² quartz sand, 0.5-2 mm.

For more information, see BRO 2002 or 2004, part 6, chapter 61.

NILS MALMGREN AB

P.O.Box 2039
S-442 02 YTTERBY

Phone: 0303-936 10
Fax: 0303-928 55

E-mail: info@nilsmalmgren.se
WWW: www.nilsmalmgren.se

