

مشخصات فنی پلیمر IPA NOL IH

IPA NOL IH اپوکسی دو جزئی بدون حلال، بدون پر کننده ، شفاف با ویسکوزیته بسیار پایین می باشد.  
قابل استفاده در محیطهای خیس و خشک با تاییدیه مصرف جهت سطوح در تماس با آب شرب از دانشگاه مونیخ آلمان است.

Material	Solnent-Free,low-viscosity,2-component epoxy resin
Appearance:	Honey-colored,transparent
(at + 20°C) Viscosity	Approx.270 mpas
Density:	Component I:1.4kg/ltr Component II:0.92kg/ltr Mixture: 1.08kg/ltr
Mixing Ratio:	Comp.1 : Comp.11
Parts p.weight	3 : 1
Parts p. vol.	2.4 : 1
Processing(Temperature of substrate):	5° Not below+
Pot Life:	20°C, assu min g lkg of re sin Approx.40 minutes at+
Curing(at + 20°C) :	Ready to be walked on after 8 hours, final strength after 7 days.
Storage	Keep dry , protect against direct insulation
Shelf Life:	1 yearwithin unopened container
Supplied in:	Containers holding 1.2 kg or 28 kgs
<b>MECHANICAL AND PHYSICAL PROPERTIES OF THE END PRODUCT</b>	
Compression Strength:	89.4N / mm <sup>2</sup>
Bending Strength:	31.8N / mm <sup>2</sup>
Adhesive Strength ,on steel	8.5N / mm <sup>2</sup>
Shear Strength,Bonded on concrete:	28Nmm <sup>2</sup> (bpmding and storage , dry),4.18 N / mm <sup>2</sup> (bonding and storage, mist)
	Fillerless Binder
Density uncured	1,083g/cu.cm
Density cured	1,125 g/cu.cm
PH value	7.0
Viscosity,ford beaker,4 20°C mm ,	92 s
Processing time (pot life)	30 min
Viscosity,Ford beaker,4 mm 20°C	92 s
Tensile strength	11.75N/sq.mm
Tensile modulus of 23°C elasticity at	2290N/sq.mm

Mortar made lean by adding standard	
Bulk density	1.98 g/cu.cm
Flexural tensile strength to 23°C DIN 1164 at	
Cured in air	31.8 N/sq.mm
Cured under water	28.2 N/sq.mm
Flexure for a 100 mm span	
Cured in air	1.27 mm
Cured under water	1.28mm
Compressive strength to DIN 1164	
At	
23°C	
Cured in air	89.4 N/sq.mm
Cured under water	86.5N/sq .mm
Pressure modulus of elasticity at	
23°C	
Cured in air	18,310N/sq.mm
Cured under water	19,130N/sq.mm
Bonding strength on steel at 23°C	8.5N/sq.mm
Shear strength on Cement Mortar	
Bonding and dry storage at 23°C	6.28N/sq.mm
Rupture within cement mortar	
Bonding and dry storage at 5°C	4.70N/sq.mm
Rupture within cement mortar	
Bonding under damp conditions	
Storage under water at 23°C	4.18N/sq.m
75% of rupture within cement	
Mortar	
Bonding under damp damp conditions	
Storage under water at 5°C	3.80N/sq.mm
35% of rupture within cement mortar	

