Arenzano, September the 23rd 2016

To whom it may concern

Object: epoxy coating **EPOXYGEL**

EPOXYGEL coating represents a specialized solvent free Gelcoat epoxy-based solution.

EPOXYGEL was conceived in order to efficiently solve abrasion problems often present in the fluid handling field.

EPOXYGEL, thanks to the special formulation developed within the LABORIS Div., combines extremely high abrasion resistance properties with high mechanical qualities and with excellent resistance to chemical aggressiveness, to water and to solvents.

The high thixotropy of the system allows to obtain a thickness of 1-2 mm. in vertical without sags,in addition to a very good sharp edge coverage.

Physical-mechanical characteristics of the polymerized system

Hardening	**7 days @ 25°C**	**24 h @ 25°C + 24 h @ 60°C**
Traction resistance (ISO R 527) in N/square millimetre	40 - 50	40 - 50
Lenghthening at breaking (ISO R 527) in %	1,5 - 2	2 – 2,5
Compression resistance (ISO R 604) in N/square millimetre	115 - 132	125 – 140
Bending resistance (ISO R 178) in N/square millimetre	60 - 80	55 – 75
Bending resistance at impact (UNI 4276) in KJ/square metre	2,4 - 4	4,5 - 6
Shore hardness D	89 - 90	90 - 91
TG temperature in °C	60 - 65	80 – 85
Abrasion resistance (TABER) (ASTM D 4060, CS 10, 1000 revolutions/minute, 1000 gr) in milligrams. First 1000 revolutions Following 1000 revolutions	 40 – 50 10 - 20	 40 – 50 10 - 20
Coefficient of linear thermal expansion (from 20°C to 60°C) in /°K	45.10^{-6}	45.10^{-6}
Specific heat in J/gram°K	1.0	1.0

Use
EPOXYGEL coating is specially suitable for building of plates and, particularly, for protection of surfaces exposed to a very strong abrasion.
Fit for grinding of steel barrels (suitable for turning on a lathe), inner cover of pumps damaged by cavitation, protective coating of coils for metallic cables.

Ti.Pi.Ci. S.a.s.
Claudio Pinto