

## TECHNICAL DATA SHEET

# HR09E9005PZ

Gelcoat serie HR09E9005PZ is designed for the construction of moulds. It's pre-promoted, black coloured based on isophthalic resins for brush application. Gelcoat specially formulated in order to get elimination of the microporosity, high surface hardness, resistance to styrene and surfaces with high gloss.

### Chemical-physical characteristics of liquid product

PROPERTY	TYPICAL VALUE	UNITS	METHOD
ASPECT	black liquid	--	--
VISCOSITY (at 25 °C)			
ASPO N°4 2 rpm	37.500	mPa.s	I.O.801
20 rpm	12.000	mPa.s	I.O.801
TIXOTROPY INDEX	7.5		I.O.802
GEL TIME (at 25 °C)*	13	minutes	I.O.803
DENSITY (at 25°C)	1,15	g/cm <sup>3</sup>	I.O.805
SHELF LIFE**	3	months	

\* Gelcoat 200 g. + 2% MEKP50.

\*\* The gelcoat must be stored in the original containers, sealed, not damaged, in dry place and at a temperature between 5°C and 25°C.

### Mechanical properties of cured gelcoat \*\*\*

PROPERTY	TYPICAL VALUE	UNITS	METHOD
HDT	90	°C	ASTM D 648
TENSILE ELONGATION	2,0	%	ASTM D 638
BARCOL HARDNESS	50	---	ASTM D 2583

\*\*\* Catalysis: gelcoat 100 gr + 1,50 g MEKP50

To obtain the best results, is recommended to work:

- 1) at a temperature between 15°C and 28°C
- 2) add 1%-2% of mekp50
- 3) apply a thickness between 500 and 700 micron
- 4) keep to distance of 70-100 cm from surface to be coated at perpendicular position

REV.2: 28/11/14

. The information contained in this datasheet is based on laboratory data and our experience. Gel time and rheological properties may change because of reactive nature of material. We believe this information to be reliable, however we cannot guarantee its applicability in your process. We decline all responsibility for events that may arise as a consequence of improper use of the product.

By accepting the products described herein, the user accepts the responsibility to thoroughly test any application before commencing production.

Our advice should be not taken as encouragement to breach any patent, safety code or insurance regulation.