

PERMAPOXY 306 CLEAR
ECONOMICAL AND ECOLOGICALLY FRIENDLY
WATERBORNE EPOXY COATING SYSTEM

INTRODUCTION

PERMAPOXY 306 CLEAR HAS BEEN DESIGNED TO ALLOW SEMI-SKILLED APPLICATORS TO PRODUCE FLOORING SYSTEMS THAT PROVIDE EXCELLENT SERVICE LEVELS FOR MOST COMMERCIAL AND LIGHT TO MEDIUM INDUSTRIAL APPLICATIONS.

PERMAPOXY IS WATER BASED, HAVING SHORT RECOAT TIMES THAT ALLOW MULTIPLE COATS TO BE APPLIED WITHIN A SINGLE DAY. ADDITIONALLY, PERMAPOXY CAN BE APPLIED TO DAMP SURFACES OR EVEN POURED CONCRETE SURFACES OR SKIM COATS.

KEY FEATURES, USES AND BENEFITS.

- WATER BASED NON FLAMMABLE COATING. EQUIPMENT CAN BE CLEANED UP IN WATER.
- CAN BE APPLIED TO HARDENED GREEN CONCRETE OR SKIM COATS.
- CAN BE APPLIED TO DAMP SUBSTRATES.
- MAY BE TINTED WITH UNIVERSAL COLOURANTS.
- PERFORMS AS A WATERPROOF MEMBRANE. MAY BE OVERCOATED WITH CONVENTIONAL PAINT SYSTEMS.

LIMITATIONS

- IT IS RECOMMENDED NOT TO BE APPLIED BELOW 10 DEGREES C AS NO SIGNIFICANT REACTION OCCURS BETWEEN HARDENER AND RESIN BELOW ABOUT 7 DEGREES C. THIS TEMPERATURE SPECIFICATION REFERS TO THE SURFACE TEMPERATURE TO WHICH THE COATING IS APPLIED AND NOT THE AMBIENT AIR TEMPERATURE.

- SHELF LIFE IS 12 MONTHS.
- YELLOWING CAN OCCUR AFTER ABOUT 6 MONTHS, ALTHOUGH ANY COLOUR CHANGE WITH INTERIOR APPLICATIONS WOULD BE SCARCELY PERCEPTIBLE.

PHYSICAL PROPERTIES.

	HARDENER	RESIN	COMBINED	DRIES
• APPEARANCE -	AMBER LIQUID	WHITE LIQUID	BEIGE LIQUID	CLEAR
• GLOSS LEVEL-			FULL GLOSS	
• SOLIDS CONTENT-	32%	61%	47%	
• MIXING RATIO -	EQUAL PARTS BY VOLUME			
• MIXING TYPE/TIME -	HIGH SPEED MECHANICAL MIXING FOR A MINIMUM OF 2 MINUTES.			
• COVERAGE RATE -	SMOOTH SURFACE : FIRST COAT 5m ² /l : SECOND COAT 7m ² /l ROUGH SURFACE : FIRST COAT 4m ² /l : SECOND COAT 6m ² /l			
• RECOAT TIME -	4-6 HRS @ 25 DEGREES C / 50% RELATIVE HUMIDITY			
• FULL CURE -	7 DAYS @ 25 DEGREES C / 50% RELATIVE HUMIDITY			
• POT LIFE -	2 HRS @ 25 DEGREES C / 50% RELATIVE HUMIDITY 1 HR @ 35 DEGREES C / 50% RELATIVE HUMIDITY			

SURFACE PREPARATION

NEW Poured CONCRETE SURFACES AND SKIM COATS

ASSUMING THAT THE SURFACE HAS NOT BEEN OVERWORKED, THEN ESSENTIALLY ALL THAT IS NECESSARY IS FOR THE SURFACE TO BE DEDUSTED AND CLEANED OF ANY LOOSE OR FLAKING MATERIAL. IT IS HOWEVER, GOOD PRACTISE TO HOSE THE SURFACE WITH A GOOD PRESSURE WATER FLOW AND LIGHT SCRUB WITH A STIFF BROOM TO ASSIST IN THE REMOVAL OF ANY LOOSE OR FLAKING MATERIAL.

OLD CONCRETE SURFACES

BE ON THE LOOKOUT FOR CONTAMINATION. ALL OLD SLABS AT A MINIMUM SHOULD BE ACID WASHED AND WATERBLASTED.

APPLICATION

- 8 – 9 mm MEDIUM KNAP (GOOD QUALITY) OR FOAM ROLLER.

- IF NOT SECOND COATED WITHIN 24 HRS, SCOUR SURFACE WITH A BLACK 3M PAD BEFORE RECOATING.
- ALLOW PREVIOUS COAT TO FULLY DRY BEFORE APPLYING SUBSEQUENT COATS

CHEMICAL RESISTANCE

<i>CHEMICAL SYSTEM</i>	<i>1 HR</i>	<i>24HRS</i>
HYDROCHLORIC ACID 33%	OK	OK
HYDROCHLORIC ACID 10%	OK	OK
ACETIC ACID 75%	NR	NR
ACETIC ACID 30%	OK	OK
ACETIC ACID 10%	OK	OK
ACETIC ACID 3%	OK	OK
SULPHURIC ACID 75%	OK	SL
SULPHURIC ACID 30%	OK	OK
SULPHURIC ACID 10%	OK	OK
NITRIC ACID 70%	SL	NR
NITRIC ACID 30%	OK	SL
NITRIC ACID 10%	OK	OK
LACTIC ACID 70%	OK	OK
LACTIC ACID 30%	OK	OK
AMMONIA 33%	OK	OK
AMMONIA 10%	OK	OK
CAUSTIC SODA 10%	OK	OK
ACETONE	OK	OK
MINERAL TURPS	OK	OK
NA HYPOCHLORITE 12.5%	OK	OK
NA HYPOCHORITE 5%	OK	OK
MOTOR OIL	OK	OK
BRAKE FLUID	OK	OK
PETROL	OK	OK
DIESEL	OK	OK

NR – NOT RECOMMENDED

SL – SLIGHT FILM DEFECTS