

APPLIED POLYMER SOLUTIONS - MORTAR COMPARISON GUIDE

MORTARS (ALL MORTARS ARE RESIN-RICH)

PRODUCT	DESCRIPTION	APPLICATION AREAS	PRIMER	POT LIFE @ 70°	CURE TIME @ 70°	COMPRESSIVE STRENGTH	FLEXURAL STRENGTH	TENSILE STRENGTH	HEAT DEFLECTION	KIT SIZE
RR 1005	INDUSTRIAL EPOXY MORTAR	FOR FOOT, PNEUMATIC TIRE AND LIGHT LOAD FORK LIFT TRAFFIC	NONE NEEDED IF RESURFACING USE ST 4002 OR ST 4009	40 MINS	12-18 HRS	8,400 PSI	11,500 PSI	6,700 PSI	131°F DRY	.1 CU FT - 2 GAL / .5 CU FT - 5 GAL / 3 CU FT BULK
RR 1010	HEAVY DUTY EPOXY MORTAR	FOR HIGH WEIGHT LOAD FORK LIFT AND HEAVY IMPACT AREAS	NONE NEEDED IF RESURFACING USE ST 4002 OR ST 4009	40 MINS	12-18 HRS	11,150 PSI	15,150 PSI	6,800 PSI	70°F DRY	.1 CU FT - 2 GAL / .5 CU FT - 5 GAL / 3 CU FT BULK
RR 1022	SELF-LEVELING EPOXY MORTAR	FOR MODERATELY CHIPPED SURFACES OR WHERE AN ABSOLUTELY SMOOTH SURFACE IS NEEDED	ANY ST3000 SERIES EPOXY	23-35 MINS	8-12 HRS	10,600 PSI	12,400 PSI	8,100 PSI	140°F DRY	.4 CU FT - 1.5 GAL
RR 1205	LOW TEMP FOOD PROCESS EPOXY MORTAR	FOR FOOD PROCESS PRODUCTION AREAS THAT ARE BELOW 50°F	NONE NEEDED IF RESURFACING USE ST 4283 OR RR 1205 LIQUIDS	8-15 MINS	4-6 HRS	8,400 PSI	11,100 PSI	6,900 PSI	117°F DRY	.1 CU FT - 2 GAL / .5 CU FT - 5 GAL / 3 CU FT BULK
RR 1206	LOW TEMP EPOXY MORTAR	FOR LOW TEMPERATURE AREAS BETWEEN 20°F - 50°F THAT NEED A STANDARD CURE SCHEDULE OR A QUICK SET REPAIR IN NORMAL ROOM TEMPERATURES	NONE NEEDED IF RESURFACING USE ST 4283 OR RR 1206 LIQUIDS	20 MINS	5-8 HRS	10,284 PSI	11,754 PSI	7,749 PSI	150°F DRY	.1 CU FT - 2 GAL / .5 CU FT - 5 GAL / 3 CU FT BULK
RR 1208	SUB-ZERO ARCTIC EPOXY MORTAR	FOR SUB-ZERO ARCTIC FREEZERS OR ANY AREA BELOW 20°F	NONE NEEDED	2-4 MINS	5 HRS	11,000 PSI	15,000 PSI	8,900 PSI	56°F DRY	.1 CU FT - 2 GAL
RR 1230	RAPID SET CONCRETE MENDER	FOR HIGHLY ACTIVE AREAS WHERE FREQUENT HEAVY TRAFFIC REQUIRES A REPAIR READY IN MINUTES	RR 1230 LIQUIDS	1-3 MINS	10-20 MIN	4,400 PSI	-	4,500 PSI	>100°F DRY	DUAL 300ML CARTRIDGE
RR 1301	COAL TAR HYBRID EPOXY MORTAR	FOR ASPHALT OR AREAS WITH HEAVY PETROLEUM CONTAMINATION	NONE NEEDED IF RESURFACING USE ST 4301 RR 1301 LIQUIDS	40 MINS	12-18 HRS	6,500 PSI	7,346 PSI	5,128 PSI	140°F DRY	.5 CU FT - 5 GAL

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RR 1420	ACID & CHEMICAL RESISTANT EPOXY MORTAR	FOR AREAS THAT HAVE EXPOSURE TO ACIDS SUCH AS FRUIT & VEGETABLE PRODUCTION OR MODERATE CHEMICAL CONCENTRATIONS - PLEASE CONTACT AN APS REP	NONE NEEDED IF RESURFACING USE ST 4002 OR ST 4009	40 MINS	12-18 HRS	10,375 PSI	12,100 PSI	7,875 PSI	145°F DRY	.1 CU FT - 2 GAL / .5 CU FT - 5 GAL / 3 CU FT BULK
RR 1456	EXTREME CHEMICAL RESISTANT NOVOLAC EPOXY MORTAR	FOR AREAS WITH HIGH CONCENTRATION CHEMICAL EXTREME EXPOSURE SUCH AS PLATING LINES, STORAGE AREAS OR SECONDARY CONTAINMENT	NONE NEEDED IF RESURFACING USE ST 4456 OR RR 1456 LIQUIDS	40 MINS	12-16 HRS	9,440 PSI	10,120 PSI	6,550 PSI	118°F DRY	.5 CU FT - 5 GAL / 3 CU FT BULK
RR 1530	FOOD PROCESS GRADE EPOXY MORTAR	FOR MEAT AND FOOD PROCESS PRODUCTION AREAS OR ANY AREAS THAT HAVE SANITIZING WASH DOWNS	NONE NEEDED IF RESURFACING USE ST 4002 OR ST 4009	40 MINS	12-16 HRS	10,489 PSI	12,244 PSI	8,157 PSI	156°F DRY	.1 CU FT - 2 GAL / .5 CU FT - 5 GAL / 3 CU FT BULK
RR 1591	WATERBASED CEMENT URETHANE MORTAR	FOR HIGH TEMPERATURE EXPOSURE AREAS SUCH AS KITCHENS, OVEN & FRY STATIONS OR HOT WASH DOWN LOCATIONS	NONE NEEDED	15-20 MINS	12-24 HRS	8,600 PSI	3,400 PSI	1,000 PSI	300°F DRY	.45 CU FT - 50 LB
RR 1592	WATERBASED CEMENT URETHANE SLURRY	FOR HIGH TEMPERATURE EXPOSURE AREAS SUCH AS KITCHENS, OVEN & FRY STATIONS OR HOT WASH DOWN LOCATIONS	NONE NEEDED	15-20 MINS	12-24 HRS	7,800 PSI	3,500 PSI	1,100 PSI	300°F DRY	.45 CU FT - 50 LB
RR 1601	UNDER-WATER EPOXY MORTAR	FOR AREAS THAT ARE UNDERWATER SUCH AS BRIDGE REPAIR, PAPER MILL WATER CLOSETS OR SEA WALLS	NONE NEEDED	15-20 MINS	5-7 HRS	10,100 PSI	9,922 PSI	6,482 PSI	162°F DRY	.5 CU FT - 5 GAL
RR 1701	VERTICAL COVING EPOXY MORTAR	FOR RADIUS OR MITERED COVING TO MIGRATE WATER AWAY FROM CURBS AND WALLS	NONE NEEDED IF RESURFACING USE ST 4002 OR ST 4009	30-40 MINS	12 HRS	14,575 PSI	15,000 PSI	9,200 PSI	62°F DRY	.1 CU FT - 2 GAL / .25 CU FT - 5 GAL
RR 1702	VERTICAL OVER-HEAD EPOXY MORTAR	FOR VERTICAL AND OVERHEAD REPAIRS SUCH AS HONEYCOMBS, COLUMN AND UNDER SLAB REPAIR	NONE NEEDED IF RESURFACING USE ST 4002 OR ST 4009	1.5-2.5 HRS	24 HRS	10,375 PSI	10,000 PSI	7,475 PSI	147°F DRY	.2 CU FT - 3 GAL