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# HV100X

## ARMORGARAGE HEAVY TONNAGE EPOXY

### PRODUCT DESCRIPTION

HV100 is a polyester/aliphatic coating that exhibits superior characteristics for abrasion resistance, impact resistance, chemical resistance and flexibility. This product meets the VOC requirements for the newly enacted VOC laws of New York, Pennsylvania, New Jersey, and other states as an industrial maintenance coating

**RECOMMENDED FOR:** auto service centers, warehouses, computer rooms, laboratories, aircraft hangers, cafeterias, maintenance shops, body shops and wherever extreme durability is required.

### SPECS

SOLIDS BY WEIGHT	100%
SOLIDS BY VOLUME	100%
VOLATILE ORGANIC CONTENT	VOC content is less than .5 g/l (mixed)
RECOMMENDED FILM THICKNESS	30 mils
PACKAGING INFORMATION	3 gallon and 15 gallon kits (volumes approximate)
MIX RATIO	2Parts A to 1 Part B by volume
SHELF LIFE	1 year in unopened containers
FINISH CHARACTERISTICS	high-gloss (>70 at 60 degrees @ glossmeter)
IMPACT RESISTANCE	Gardner Impact, direct & reverse=160 in lb (passed)
FLEXIBILITY	No cracks on a 1/8" mandrel
ADHESION	420 psi @ elcometer (concrete failure, no delamination)
VISCOSITY	Mixed= 1500-2200 cps (typical)
HARDNESS	Shore D= 90
DOT CLASSIFICATIONS	Non flammable
ABRASION RESISTANCE	Taber abrasor CS-17 calibrase wheel 500 cycles= 2.5 mg loss

### COVERAGE

PER GALLON	125 square feet @ 30 mils
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### COLORS

light gray, medium gray, dark gray, tile red, custom colors available

### CURE SCHEDULE

POT LIFE (1.5 gal volume)	30 minutes
TACK FREE (Dry to touch)	5-7 hours
RECOAT OR TOPCOAT	NA
LIGHT FOOT TRAFFIC	14-18 hours
FULL CURE (heavy traffic)	2-4 days
APPLICATION TEMPERATURE	55-90 degrees F with relative humidity below 90%

### PRIMERS

Recommend ARM144X, No Prep Instant Primer or ARM015X

### TOPCOAT

None recommended

### CHEMICAL RESISTANCE

Acetic Acid 5%	B
Xylene	D
MEK	A
Methyl Alcohol	B
Gasoline	D
10% Sodium Hydroxide	E
50% Sodium Hydroxide	D
10% Sulfuric	D
10% Hydrochloric Acid	C
20% Nitric Acid	B
Ethylene Glycol	D

Rating Key: Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion. NOTE: extensive chemical resistance information is available through your sales representative.

### FEATURES



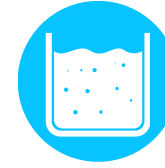
Chemical Resistance



Multiple Colors



Super Durable



Low VOC



Roll On Application

### LIMITATIONS

Not recommend to high exposure to UV rays. For best results use a high quality 3/8" nap roller. Slab on grade requires moisture barrier. Substrate temperature must be 5°F above dew point. All new concrete must be cured for at least 30 days. Colors may vary from batch to batch, therefore, use only product from the same batch for an entire job. Physical properties are typical values and not specifications. See reverse side for application instructions. See reverse side for limitations of our liability and warranty.



# HV100X

## ARMORGARAGE HEAVY TONNAGE EPOXY

### **PRODUCT STORAGE**

Store product at normal room temperature before using. Continuous storage should be between 60 and 90 degrees F.

### **SURFACE PREPARATION**

Surface preparation will vary according to the type of complete system to be applied. We recommend either mechanical scarification or acid etching until a suitable profile is achieved for application of recommended primer. All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete is dry; this can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause disbonding. If using the Instant Primer, simply remove any surface dirt, oil or grease stains.

### **PRODUCT MIXING**

This product has a mix ratio of 2 parts A with 1 part B. After the two parts are combined, mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free. Avoid whipping air into the coating. Improper mixing may result in product failure. Do not mix more than 1 gal for each person rolling.

### **PRODUCT APPLICATION**

The mixed material can be applied by brush or roller. Maintain temperatures within the recommended ranges during the application and curing process. Properly prime the substrate. It is best to maintain a wet edge to avoid roller marks. Once product is mixed pour onto floor in a bead from left to right. Spread with calibrated notched squeegee and then backroll to further spread and remove squeegee ridges. Maintain the 125 sf/gal spread rate. Exposure to certain types of lighting such as sodium vapor lights may cause the product to discolor but does not affect product performance.

### **RECOATING OR TOPCOATING**

Multiple coats of this product are not recommended. It is thick and tough enough after one single coat. If you opt for a second coat you must sand first coat with 100 grit sandpaper. However, it is best to test the coating before recoating. This can be done by pressing on the coating with your thumb to verify that no fingerprint impression is left. If no impression is created, then the recoat can be started. Always remember that colder temperatures will require more cure time for the product before recoating can commence.

### **CLEANUP**

Use xylene or mineral spirits. Clean any spills or splatters prior to drying. Once dried it can only be removed by grinding.

### **FLOOR CLEANING**

Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. Harsh cleaning products should not be necessary as most surface contaminants should simply rinse off. This product is suitable for caustic washdowns where sanitation is required

### **RESTRICTIONS**

Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle. Dependent on actual complete system application, surface may be slippery, especially when wet or contaminated; keep surface clean and dry. Use of nonslip aggregate is recommended if floor will be wet.

### **NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY**

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABILITY OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.