Legacy Industrial
Heavy Duty Floor Solutions

TECHNICAL DATA– Legacy's HD Coating
100% Solids* "Easy Rolling" Formulation

PRODUCT DESCRIPTION:
Legacy Industrial's HD is a two component 100% solids* epoxy colored coating designed for applications where a high impact coating is needed. This product is specially formulated for easy rolling (no squeegee needed) and reduced potential for outgassing bubbles. *Outgassing bubbles plague most 100% epoxy coatings as they are too viscous for the gasses to pass through without creating bubbles.*

RECOMMENDED FOR:
Recommended for use on concrete garage floors, warehouses, bathrooms, laundry rooms, anywhere a high impact, chemically resistant floor is needed.

SOLIDS BY WEIGHT:
*100% (+/- 3%)

SOLIDS BY VOLUME:
*100% (+/-3%)

VOLATILE ORGANIC CONTENT:
Part A= .14#/gallon, part B= 2.1#/gallon
Mixed= .79#/gallon

STANDARD COLORS:
13 COLORS AVAILABLE

RECOMMENDED FILM THICKNESS:
10-12 mils

COVERAGE PER GALLON:
Approx. 200 sq ft. per gallon, 300 sq ft. per 1.5 gallon unit.

PACKAGING INFORMATION
1.5 gal, 3 gallon kit (volume approximate) and 15 gallon kits (volume approximate).

MIX RATIO:
12 pounds (1.0 gallon) part A to 3.85 pounds (0.50 gallons) part B (volumes approx.) (standard colors)

SHELF LIFE:
1 year in unopened containers

FINISH CHARACTERISTICS:
Gloss (typical 60 at 60 degrees)

ABRASION RESISTANCE:
Taber adrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 45 mg loss

ADHESION:
430 psi @ elcometer (concrete failure, no delamination)

VISCOSITY:
Mixed= 500-800 cps (typical, most colors)

DOT CLASSIFICATIONS:
Part A "not regulated"
Part B "Flammable Liquid N.O.S., 3, UN1993,PGIII"

FLEXURAL STRENGTH:
8,200 psi @ ASTM D790

YIELD COMPRESSIVE STRENGTH:
8,300 psi @ ASTM D695

TENSILE STRENGTH:
6,800 psi @ ASTM D638

GARDNER VARIABLE IMPACTOR:
50 inch pounds direct – passed

ULTIMATE ELONGATION:
2.5%

HARDNESS:
Shore D= 80

CURE SCHEDULE: (70°)
pot life – 1 1/2 gallon volume .....35-55 minutes
tack free (dry to touch)..... 6-9 hours
recoat or topcoat..... 10-14 hours
light foot traffic.....12-16 hours
full cure (heavy traffic)... .....2-7 days

APPLICATION TEMPERATURE:
60-90 degrees F with relative humidity below 85% for best results

CHEMICAL RESISTANCE:

REAGENT	NEAT	Clear Coated**
Aviation Gasoline	B	D
Unleaded Gasoline	C	D
Diesel/Heating Oil	B	D
Jet Fuel	B	D
Brake Fluid	C	E
Motor Oil	E	E

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.

PRIMER:
Legacy's "Standard Primer" can be used if desired.

TOPCOAT: (optional)
****SD, HD356VOC, HD322 Clear or Pigmented**

LIMITATIONS:
*Colors may vary from batch to batch.
*Substrate temperature must be 5°F above dew point.
*For best results, apply a 1/4" nap roller.
*All new concrete must be cured for at least 30 days prior to application.
*Physical properties data based on neat resin.
*See reverse side for application instructions.
*Physical properties are typical values and not specifications.
*See reverse side for limitations of our liability and warranty.

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INSTRUCTIONS (HD)

1) PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 60 and 90 degree F.

2) SURFACE PREPARATION: Surface should be diamond ground or acid etched to achieve a suitable profile. All dirt, foreign contaminants, oil, and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete has an appropriate vapor barrier. Use our Aqua-Dike Moisture Vapor Barrier is moisture is suspected.

3) PRODUCT MIXING: This product has a mix ratio of 2 Part A : 1 Part B for standard colors. Standard packages are in pre-measured kits and should be mixed as supplied in the kit. We highly recommend that the kits not be broken down unless suitable weighing equipment is available. 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. Improper mixing may result in product failure.

4) PRIMING: TUSE LEGACY INDUSTRIAL'S STANDARD EPOXY PRIMER. No primer required if over existing epoxy/urethane system.

5) PRODUCT APPLICATION: The mixed material can be applied by brush, or roller. However, the material can also be applied by a suitable serrated squeegee and then back rolled as long as the appropriate thickness recommendations are maintained. Maintain temperatures and relative humidity within the recommended ranges during the application and curing process. If concrete conditions or over aggressive mixing causes air entrapment, then an air release roller tool should be used prior to the coating tacking off to remove the air entrapped in the coating.

6) RECOAT OR TOPCOATING: Topcoats are optional. Many topcoats are suitable for placement over this coating including both urethanes and epoxies. When topcoating this product, you must first be sure that the coating has tacked off before topcoating can commence. Before topcoating, check the coating to verify no epoxy blushes were developed (a whitish, greasy film or deglossing). If a blush is present, it must be removed prior to topcoating. A standard type detergent cleaner can be used to remove any blush. Many epoxy coatings and urethanes are compatible for use as a topcoat for this product as well as multiple coats of this product as an intermediate build coat.

7) CLEANUP: Use xylol.

8) FLOOR CLEANING: Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

9) 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.

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

We warrant that our product is manufactured to the specifications as stated her or in other publications. All other 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. ***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 MERCHANTABLE 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 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. Any use or application other than recommended herein is the sole responsibility of the user. Uncured epoxy resins, polymers and their curing agents may be* ***ALKALINE, TOXIC or BOTH,*** *depending on the particular system. They may cause* ***ALLERGIC REACTIONS or HYPERSENSITIVITY REACTIONS. BEFORE USING*** *any material,* ***READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.*** *COPYRIGHT Legacy Industrial Products LLC.*