

## *EASTERN RESINS*

# ACRYL-STAT

**THE MOST ADVANCED STATIC DISSIPATIVE FLOOR FINISH AVAILABLE**

### DESCRIPTION:

*ACRYL-STAT* is a highly advanced one component acrylic Copolymer that incorporates the most consistent and reliable static control properties from the molecular level. Unlike other ESD coatings, *ACRYL-STAT* does not depend upon Indium tin oxide or other metallic particles that must be uniformly suspended in the coating in order to achieve proper static control. *ACRYL-STAT* stands up to constant traffic and will not break your budget, in fact its only a fraction of the cost of other "static dissipative" coatings and will give you the peace of mind knowing that it never takes a day off.

### TYPICAL USES:

Electronic Manufacturing facilities

Telecommunications industries

Recoat over failed ESD flooring systems without the high cost of removal

Can be applied over most resinous non ESD floors including: Epoxy coatings,

Epoxy color quartz floors, broadcast and epoxy mortar flooring systems, linoleum,

Concrete and wood

### FEATURES:

Dries water clear

Conforms to EOS,ANSI,CE standards

Non yellowing (UV resistant)

Hard, high gloss finish, withstands high traffic environments

Controls static generation even in low humidity environments

1 hour dry time

### VISCOSITY: (@72°F)

50 cps

### CURE SCHEDULE:

Dry time 1 hour

re-coat 3 hours

full traffic 4 hours

### COVERAGE:

1800-2000 square feet per gallon

PHYSICAL PROPERTIES:	
V.O.C. (%)	< 8%
NON- VOLATILE SOLIDS	25%
FLASH POINT	None
RESISTIVITY	$10^7 \times 10^9$ ohms/sq.
RESISTANCE	$10^7 \times 10^9$ ohms
STATIC DISSIPATION	.02 seconds
FREE AMMONIA, ALKALI, ACID	None
SLIP RESISTANCE	.5 min. UL listed
GLOSS	Excellent
ODOR	Mild
WEARABILITY*	12 months
BIODEGRADABLE	Yes
SHELF LIFE	1 year

**FLOOR PREPARATION:**

Before application of *Acryl-Stat*, all floors must be stripped with *Acryl-Stat Floor Stripper* diluted (1 part stripper to 15 parts water).

**Stripper application:**

Spread diluted stripper with mop and using a floor machine and 3 m black pad or equivalent.

NOTE: All new resinous and tile floors should not be stripped for the first week to allow complete cure.

Do not allow stripper to dry on floor.

Rinse thoroughly at least three times or until all residue is removed and pick up with a wet vac.

Make sure all stripper is off floor (No shiny versus dull spots).

Allow floor to dry completely.

**Neutralizer/Cleaner application:**

NOTE: Use a new clean mop for neutralizing. DO NOT use the stripping mop.

Using a new mop, mix 1 part of *Acryl-Stat Neutralizer/Cleaner* with 120 parts of clean potable water.

Remove excess solution with a wet vac.

Rinse floor twice with clean potable water and allow to completely dry.

Any residue from the stripper solution will effect the electrical properties, gloss and life of the final *Acryl-Stat* floor finish.

Final pH should be 7.0 (neutral).

**Application of STATIC GUARD:**

**ACRYL-STAT CANNOT BE APPLIED BY BRUSH OR ROLLER! ACRYL STAT MUST BE APPLIED BY A NEW CLEAN 24 OUNCE RAYON MOP THAT HAS BEEN RINSED IN CLEAN POTABLE WATER AND SQUEEED ALMOST DRY.**

Pour **ACRYL-STAT** into a new clean unused dry pail. DO NOT USE A PAIL THAT HAD ANY OTHER LIQUID IN IT BEFORE!

Saturate mop with **ACRYL-STAT** and squeeze excess so that mop is not dripping.

**ACRYL-STAT** will set up almost immediately and will streak if you overlap a freshly treated area.

To avoid streaking, use a side to side swabbing motion. For large areas two or more applicators should work side by side.

**NOTE:**

Two thin coats of **ACRYL-STAT** shall be applied 1 hour apart depending upon humidity conditions. This dry time is crucial to the floor finish curing process. However. Light traffic (walking) is allowed 30 minutes after application or when not tacky to touch.]

**ACRYL-STAT will not be sufficiently cured to accept the next coat if the following guidelines are not strictly honored.**

**STATIC GUARD DRY TIME REQUIREMENTS**

<u>HUMIDITY</u>	<u>DRYING TIME</u>
Less than 30% RH	Minimum 1 hour
30-50% RH	Minimum 2 hours
Greater than 50% RH	Minimum 2-3 hours

Depending upon time constraints, a third coat of **ACRYL-STAT** may be applied after the second coat has cured but not more than 5 days after the second coat was applied.

After the third coat of **ACRYL STAT** is applied, allow it to cure for 72 hours before washing Floor.

**INSERVICE TESTING:**

Because surface resistance affected by high traffic and relative humidity, regular testing is recommended. Constant monitoring of *Acryl-Stat* using proper surface resistance measuring instruments is recommended. Call Eastern Resins for a quotation on the recommended electronic measuring instrument.

**REGULAR MAINTENANCE:**

*Acryl-Stat static dissipative floor finish* is easily maintained and will keep its appearance and electrical properties longer than other ESD finishes if given basic care. The actual frequency of the recommended maintenance procedures depend upon the traffic in the area and the desired appearance of the floor.

**MAINTENANCE SCHEDULE:**

Use appropriate mats to remove dirt and moisture from footwear and prevent accumulation of grit and water on floor surface. Mats should be as wide as doorways and at least 5 feet long to trap dirt before feet reach the treated floor. Clean the mats frequently.

Sweep or dust mop daily. **Do not use oil treated dust mops.**

Damp mop the floor using a 1 to 1 dilution of *ACRYL-STAT* to water, floor will be completely dry in 30 minutes. Remember to change the solution before it becomes dirty. This procedure will restore any loss of electrical properties.

Damp mop once a week.

If a spill or stain develops in or on coating, spot clean with a 1 to 1 dilution of *ACRYL-STAT* and water.

**Auto scrubbing**

Auto scrubbing can diminish the life of the floor. The following procedure will ensure long lasting Performance.

When heavy cleaning is necessary, use a mild detergent and red 3 m pad or equivalent for auto scrub operations. Keep pad setting light. After the floor is dry, re apply two coats of *ACRYL-STAT*

**BUFFING**

Normally buffing is not necessary as the gloss of *ACRYL-STAT* is excellent. However if buffing is desired, do not over buff as excessive surface heat will diminish the effectiveness of the finish.. **DO NOT BURNISH THE FLOOR . ALWAYS RE-FINISH THE SPRAY BUFFED AREA WITH A THIN COAT OF *ACRYL-STAT*.**

**STRIPPING AND RESEALING THE FLOOR:**

Every 12 to 24 months, floor should be stripped, neutralized and re-sealed with two coats of *ACRYL-STAT*. (Follow procedure on page two of this bulletin).

**WARRANTY**

*EASTERN RESINS CORP. warrants only that this product meets the quality and technical standards noted in its current product literature. EASTERN RESINS CORP. cannot be held responsible for circumstances outside its control including, but not limited to other materials, product handling, product storage or the use of the product. EASTERN RESINS CORP. will provide sufficient product to replace any which is proven, by accepted industry standard testing methods, to have manufacturing defects. Such product replacement shall constitute the sole and exclusive remedy for any claim under this warranty. This warranty is in lieu of any other warranties, expressed, implied or statutory and is strictly limited in its nature.*

