



INCANDESCENT LAMP COATINGS

GENERAL ELECTRIC COMPANY
LAMP COMPONENTS DIVISION
PRODUCT DATA SHEET 7770-A
November, 1981
(Replaces 9200-a, 8-1-73)

General Electric offers two series of incandescent lamp coatings—silicate sprays and shellac sprays.

SILICATE SPRAYS

Silicate sprays are pigment suspensions in sodium silicate. They have a semi-matte or eggshell finish intended to function satisfactorily where higher bulb temperatures (via higher wattage and/or lamp containment) might prevent use of shellac coatings. Product application requires careful cleaning of the bulb followed by spraying, baking and treatment with ammonium chloride solution to “fix” the coating. Silicate coated parts can be used for interior and exterior applications.

Silicate Sprays

Order Prefix Number	Color
5300100	Red
5300200	Military Red
5300300	White
5300400	Frost
5300500	Green
5300600	Opaque Black

SHELLAC SPRAYS

Shellac sprays are pigment suspensions in mixtures of natural and synthetic gum binders. The major binder constituent is shellac dissolved in alcohol.

The primary advantages of shellac sprays are good appearance at low cost and simplicity of application. Little attention to bulb preparation is required and further, a “fixing” treatment is averted. Only spraying and baking are necessitated. Shellac sprays are not recommended for lamps with high bulb temperatures or long design life (over 1000 hours) or for those which must operate in high humidity. Use is limited to interior applications.

Shellac Sprays

Order Number Prefix	Color	Finish
5200100	White	Eggshell
5200200	Green	Gloss
5200300	Red	Matte
5200400	Green	Matte
5200500	Frost	Eggshell
5200600	Red	Gloss

AVAILABILITY

These coatings are available in production quantities with normal lead times of 8 weeks.

TOXICITY

The toxicological properties of these coatings have not been completely defined. General Electric, therefore, suggests they be handled in such a manner as to avoid ingestion and skin or eye contact. Some components of these materials are FLAMMABLE LIQUIDS and necessary precautions should be taken. Part or all of these materials may also have been reported for inventory under the Toxic Substances Control Act (PL-94-469).

ORDERING

To order incandescent lamp coatings, contact your local sales representative or:

Domestic

General Electric Company
Chemical Products Plant
1099 Ivanhoe Road
Cleveland, Ohio 44110
Phone: (216) 266-4611

International

General Electric Company
Lamp Components Division
International Sales
21800 Tungsten Road
Cleveland, Ohio 44117 U.S.A.
Telex: 985569 (GECOLCS EUCD)
Phone: (216) 266-3295

General Electric's Lamp Components Division is the source for tungsten, molybdenum, glass, fused quartz, Lucalox® ceramic, phosphors, chemicals, Dumet and Cumet wire, leads, bases and other components used by the lamp, electronic, cemented carbide and other industries. Technical and engineering assistance is available on all products. For information contact:

General Electric Company
Lamp Components Sales Operation
21800 Tungsten Road
Cleveland, Ohio 44117
(216) 266-2451
Telex: 985569

GENERAL  **ELECTRIC**