

PRODUCT DESCRIPTION

Stonseal AC6 is a two-component, UV resistant, clear, aliphatic, polyaspartic urethane sealer. It is formulated to increase abrasion and chemical resistance while improving cleanability. Stonseal AC6 is easily applied and hardens to an attractive reduced gloss finish.

USES, APPLICATIONS

Stonseal AC6 is a reduced gloss sealer designed for use whenever a reduced gloss, UV resistant finish is required. It may be applied on various substrates to both vertical and horizontal surfaces. Some applications of Stonseal AC6 are:

- In conjunction with various Stonhard flooring systems
- For substrates requiring a protective sealer that is easily cleaned and maintained

PRODUCT ADVANTAGES

- UV resistant
- Long-term abrasion and corrosion resistance
- Excellent bond strength assures good adhesion
- Protects against moisture penetration
- Durable, reduced gloss finish permits easy cleaning and maintenance
- Factory proportioned packaging ensures consistent, high quality, simplified mixing

PACKAGING

Stonseal AC6 is packaged in units for easy handling. Each unit consists of one carton containing:

- l foil bag of isocyanate (curing agent)
- (l) 1 gallon can of polyol (resin)
- l poly bag of Part C

COVERAGE

Approximately 750 sq. ft./18.5 sq. m per unit over most substrates.

STORAGE CONDITIONS

Store all components of Stonseal AC6 between 60 to 85°F/16 to 29°C in a dry area. Avoid excessive heat and do not freeze. The shelf life is one year in the original, unopened container.

SURFACE PREPARATION

Before coating a Stonhard floor, surface imperfections must be removed to produce a uniform surface. Thoroughly vacuum the floor to remove all loose aggregate and debris. The Stonhard floor is now ready to be coated with Stonseal AC6 Sealer.

Preparing Concrete Substrates

Proper preparation is critical to ensure an adequate bond. The

PHYSICAL CHARACTERISTICS

Percent Solids	95%
V.O.C.	60 g/l
Pot Life	20 minutes (@ 77°F/25°C)
Suggested Number of Coats	One
Coverage	750 sq. ft./18.5 sq. m per unit
Cure Rate	6 hours (@ 77°F/25°C)
	for tack-free surface 24 hours minimum for normal operations
Heat Resistance Limitations	200°F/93°C continuous exposure 250°F/121°C intermittent exposure
Fire Resistance of Dry Film	Self-extinguishing

Note: The above physical properties were measured in accordance with the referenced standards. Samples of the actual floor system, including binder and filler, were used as test specimens.

substrate must be dry and free of all wax, grease, oils, fats, soil, loose or foreign materials and laitance. Laitance and unbonded cement particles must be removed by mechanical methods, i.e., abrasive blasting or scarifying. Other contaminants may be removed by scrubbing with a heavy-duty industrial detergent (Stonklean DG9) and rinsing with clean water. The surface must show open pores throughout and have a sandpaper texture. For recommendations or additional information regarding substrate preparation, contact Stonhard's Technical Service Department.

PRIMING

For use over a Stonhard floor, no primer is necessary. For use over a concrete substrate, Stoncrest GS3 or HT Primer are recommended to ensure maximum product performance.

MIXING

Stonseal AC6 is supplied in factory proportioned quantities. To achieve thorough and proper mixing, the Stonseal AC6 must be mixed using a heavy-duty, slow-speed drill (400 to 600 rpm) with a Jiffy Mixer (Product #87028). Empty the contents of the polyol resin and Part C into a clean mixing container. Mix the two components for 30 seconds or until the material has a uniform appearance. Add the isocyanate and continue to mix the material to a uniform consistency for 1 to 2 minutes. Avoid high speed

mixing that will entrain air into the mix. Thorough mixing of the three components is required.

POT LIFE

After mixing, Stonseal AC6 has a working time of approximately 20 minutes at 70°F/21°C. The working time may vary depending upon ambient and surface conditions. At high humidity levels working time will be substantially decreased.

APPLYING

Stonseal AC6 can be applied at ambient temperatures of 60 to 85°F/16 to 29°C and humidity below 80%. The Sealer must be applied immediately after mixing the two components. Stonseal AC6 is applied with a rubber squeegee and medium nap roller. The roller is used to remove squeegee lines and smooth out the surface. A brush may be used where necessary. Each additional coat may be applied when the surface is tack-free (about 6 hours). Any questions regarding the application of Stonseal AC6 should be directed to Stonhard's Technical Service Department.

CURING

The surface of Stonseal AC6 will be tack-free in 6 hours at 77°F/25°C. The coated area may be put back into service in 24 hours. Ultimate physical characteristics will be achieved in 7 days.

RECOMMENDATIONS

- Apply only on a clean, sound and properly prepared substrate.
- Minimum ambient and surface temperatures are 60°F/16°C at the time of application.
- Do not use water or steam in the vicinity of the application. Moisture can **seriously** affect the working time and properties of the material.
- Application and curing times are dependent upon ambient and surface conditions.

PRECAUTIONS

- Acetone is recommended for clean up of the unreacted Stonseal AC6 material. Use these materials only in strict accordance with the manufacturer's recommended safety procedures. Dispose of waste materials in accordance with government regulations. The reacted material will require mechanical means of removal.
- The use of NIOSH/MSHA approved respirators, safety goggles and impervious gloves is recommended.
- In case of contact, flush the area for 15 minutes with copious amounts of water and seek medical attention. Wash skin with soap and water.
- Use only with adequate ventilation.

NOTES

- For environments not referenced in the Chemical Resistance Guide, consult Stonhard's Technical Service Department for recommendations.
- Material Safety Data Sheets for Stonseal AC6 are available upon request.

- A staff of technical service engineers is available to assist with product application or to answer questions related to Stonhard's products.
- Requests for technical literature or service can be made through local sales representatives or corporate offices located worldwide.

CHEMICAL RESISTANCE GUIDE

The purpose of this guide is to aid in determining the potential value of Stonseal AC6 when exposed to the damaging effects of corrosive chemical environments.

RATING CODE

E - Excellent
 G - Good
 NR - Not Recommended
 OS - Suitable for use where "occasional spillages" occur, when flushing with water immediately follows.

ACIDS

RATING	RATING
Acetic – 5% E	Lactic – over 20% G
Acetic – 10% E	Maleic – up to 10% E
Acetic – 15% E	Maleic – 40% E
Acetic – 20% E	Maleic – Sat. G
Acetic – 50% G	Monochloroacetic – 5% G
Acetic Glacial OS	Monochloroacetic – 10% G
Benzoic – Sat. 3% E	Monochloroacetic – 20% OS
Boric – Sat. 30% E	Nitric – 10% E
Butyric – 10% E	Nitric – 20% E
Chromic – 10% G	Nitric – 30% G
Chromic – 15% OS	Nitric – over 40% NR
Chromic – 40% NR	Oleic E
Citric – 50% E	Oxalic – Sat. E
Cresylic G	Perchloric – 35% OS
Diglycolic G	Phosphoric – up to 70% E
Fatty E	Phosphoric – Conc. 85% OS
Fluoboric OS	Picric – Sat. E
Formic – up to 10% G	Phthalic G
Formic – over 10% OS	Succinic – Sat. E
Heptanoic G	Sulfuric – 20% E
Hydrochloric – 15% E	Sulfuric – 50% G
Hydrochloric – 37% G	Sulfuric – 70% NR
Hydrofluoric – 5% G	Sulfuric – 98% NR
Hydrofluoric – 10% OS	Tannic – Sat. E
Hydrofluoric – 15% NR	Tartanic – Sat. E
Hypochlorous – 5% E	Trichloroacetic 10% G
Lactic – up to 20% E	Trichloroacetic 20% OS

ALKALIES AND SALTS

RATING	RATING
Aluminum Chloride – 50% E	Sodium Carbonate (Soda Ash) – Sat. E
Ammonium Chloride – 50% E	Sodium Bicarbonate – Sat. E
Ammonium Hydroxide – up to 20% E	Sodium Bisulfate – Sat. E
Ammonium Hydroxide – 40% E	Sodium Bisulfite – Sat. E
Ammonium Nitrate – Sat. E	Sodium Chloride (Salt) – Sat. E
Ammonium Sulfate – Sat. E	Sodium Glutamate E
Calcium Chloride – Sat. E	Sodium Hydroxide – up to 50% E
Calcium Hydroxide – Sat. E	Sodium Hypochlorite – up to 10% G
Calcium Hypochlorite – up to 15% E	Sodium Sulfate – Sat. E
Copper Fluoroborate E	Sodium Sulfite – Sat. E
Ferric Chloride – Sat. E	Sodium Sulfide – Sat. E
Ferrous Sulfate E	Trisodium Phosphate – Sat. E
Potassium Hydroxide – up to 40% E	Zinc Nitrate E
Sodium Benzoate E	

SOLVENTS AND OTHER CHEMICALS

RATING	RATING
Acetone OS	Kerosene E
Acrylonitrile OS	Lanoline E
Aniline NR	Lard E
Alcohol (Methyl) OS	Linseed Oil E
Alcohol (Ethyl, Propyl, Isopropyl, Butyl) G	Mayonnaise E
Amyl Acetate E	Methyl Ethyl Ketone OS
Beer E	Methyl Isobutyl Ketone G
Benzene G	Methyl Salicylate – 50% in Toluene G
Bromine NR	Methylene Chloride NR
Butyl Acetate G	Milk E
Butyl Lactate G	Mineral Spirits E
Carbon Disulfide NR	Muriatic Acid (See Hydrochloric Acid) NR
Carbon Tetrachloride E	Mustard E
Chlorobenzene E	Naphtha E
Corn Oil E	Naphthalene E
Cyclohexane E	Oils – Cutting E
Cyclohexanol E	Oils – Mineral E
Cyclohexanone G	Oils – Vegetable E
Chloroform NR	Peanut Butter E
Diacetone Alcohol E	Perchloroethylene E
Diethyl Phthalate E	Phenol – 5% OS
Dimethyl Phthalate E	Pyridine OS
Ethyl Acetate G	Skydrol E
Ethylene Glycol E	Sucrose – Sat. (Sugar) E
Ether G	Toluene E
Ethylene Dichloride OS	Triacetin E
Formaldehyde E	Trichloroethane G
Gasoline E	Trichloroethylene OS
Glycerine E	Triethanolamine OS
Gyoxal E	Triethylene Glycol E
Hydrogen Peroxide – 10% E	Urea E
JP5 Jet Fuel E	Vinegar (Household) E
Juices – Fruit E	Water E
Juices – Vegetable E	Wine E
	Xylene E

Note: This data is based on laboratory tests performed under carefully controlled conditions. (All solutions are at ambient temperatures.) No warranty can be expressed nor implied regarding the accuracy of this information as it will apply to actual plant operation or job site use. Plant operations and job site uses vary widely, and the individual results obtained are affected by the specific conditions encountered, which are beyond our control.

IMPORTANT:

Stonhard believes the information contained here to be true and accurate as of the date of publication. Stonhard makes no warranty, expressed or implied, based on this literature and assumes no responsibility for consequential or incidental damages in the use of the systems described, including any warranty of merchantability or fitness. Information contained here is for evaluation only. We further reserve the right to modify and change products or literature at any time and without prior notice.

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