

COLOR HARDENER (CH) FACT SHEET  
Tech-Data Bulletin C1.11 (partial)

- HAZARDS: Inhalation of dust, abrasion to eyes, drying of skin.
- SAFETY: Wear NIOSH/OSHA approved dust mask for silica bearing sands. Handle with gloves. Use eye protection. Control dust in the environment with ventilation. If eye irritation occurs flush with water. Do not rub eyes. See a doctor if any problem persists.
- USE: Typically coloring of freshly poured cast-in-place concrete.
- COVERAGE: 100 square feet or 9 square meters for standard colors per 60 lb. pail. White and off-white colors will require more Color Hardener for hiding.
- SUBSTRATE: Typical ready-mix design is 5.5 sacks cement/cubic yard of concrete for flat and broom finish, 6.0 sacks cement/cubic yard of concrete for stamp mix.
- FINISH: Smooth, broom, sweat or stamped.
- COLORS: 36 standard colors. Custom color matching available. Many popular cross-over matches are available.
- APPLICATION: Fluff product with drill mixer in two pails. Cast by hand about 2/3 of material to be used onto fresh concrete that has been screeded and floated and allow the Color Hardener to absorb bleed water. Float Color Hardener into surface with a wood float or "mag" float. Cast more Color Hardener on any "bald" spots and repeat finishing.
- CURING: Water base cures will discolor colored concrete if used during the first 24 hours. Covers will discolor colored concrete unless heated blankets. Generally use a petroleum based curing compound for exterior colored flatwork. Stamped concrete should cure for 72 hours or more before washing and sealing. Antique Release Agent Powder has some curing properties. Liquid Release Agent has very little curing property.
- SEALING: When fully cured use either Permaglaze Lacquer Sealer or Permashield-Permaseal water based products. See Tech-Data Bulletins S-3.10 and S-3.20 for sealers. **Using solids content higher than 15% for the first coat of solvent borne sealer will result in poor penetration and bond. Sealing too early will also prevent sealer from penetrating and bonding well because it will not displace the water in the concrete capillaries.**
- STORAGE: Keep dry and closed, out of direct sunlight and inaccessible to children.