

DESCRIPTION • *ElastoCrete 6000* is a high-performance, multi-component, hybrid polyurethane-cement floor screed composed of a two-part PU binder and high abrasion resistance graded silica aggregates. Applicable in 6 to 10 mm thicknesses in a single pass, *ElastoCrete 6000* provides a flexible and tough, heat resistant hygienic surface.

USES • *ElastoCrete 6000* is ideal for application where a highly durable and abrasion resistant hygienic surface is required. It is ideal for bottling plants, food warehouses, freezers and coolers, industrial kitchens, food and beverages processing plants.

ADVANTAGES •

- ✓ Hygienic, seamless, and impervious surface.
- ✓ Non-slip finish.
- ✓ High impact resistance.
- ✓ Excellent waterproofing properties.
- ✓ Wide application temperatures: -40°C to 120°C.
- ✓ Hard wearing and durable.
- ✓ High abrasion resistance.
- ✓ Solvent free.

LIMITATIONS • Never apply to new concrete surfaces before they have been allowed to cure for a minimum of 28 days. UV radiation will cause discoloration, an aliphatic PU top coat is recommended where exposed to sunlight.

PHYSICAL PROPERTIES •

Curing	@ 30°C foot traffic in 8 hrs, vehicular in 16 hrs
Compressive Strength ASTM C 6319-Part 6	>50 N/mm ²
Tensile Strength ASTM D 412	>5 N/ mm ²
Water Penetration (BS EN 12390)	Nil
Adhesion Strength to Concrete (ASTM D 4541)	Substrate Failure

CHEMICAL RESISTANCE • Fully cured *ElastoCrete 6000* samples have been tested for chemical resistance to the following chemicals for 7 days @ 25°C:

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|---------------------|-----------|
| • Gasoline | Excellent |
| • Petrol | Excellent |
| • Diesel | Excellent |
| • White Spirit | Excellent |
| • Brake Fluid | Excellent |
| • Sulfuric Acid 10% | Excellent |

- | | |
|-------------------------|-----------|
| • Hydrochloric Acid 35% | Excellent |
| • Acetic Acid 5% | Excellent |
| • Lactic Acid 20% | Excellent |
| • Ammonia 30% | Excellent |
| • Sod. Hydroxide 25% | Excellent |

COVERAGE • Application rate will vary according to surface conditions, surface profile, application technique and job conditions. Coverage rates of 20.5 kg/m² at 9 mm DFT are dominant.

SURFACE PREPARATION • All surfaces should be clean, dry and free from dust and other contaminants. Wet substrates should be sponge dried to remove all free surface water then dried. Treat oil or grease contamination with degreaser followed by water or steam cleaning.

New concrete floors: should be at least 6 days old and minimum tensile strength of 1.5N/mm². Excessive laitance should be removed by mechanical methods. Dust and other debris should be removed by vacuum cleaning.

Old concrete floors: damaged areas or surface irregularities should be repaired with *MortCrete 3000*.

MIXING • The entire contents of the hardener container should be poured into the base container and the two materials mixed thoroughly for at least 3 minutes. Use a heavy-duty slow speed power drill with a jiffy mixing blade. Mix the two components in the quantities supplied taking care to ensure hardener container is scraped clean. Do not add solvent thinners at any time.

APPLICATION • Priming is recommended for concrete surfaces by using *ElastoCrete 2000* scratch coat at 1mm – please refer to the relevant CCC technical data sheet for application instructions.

ElastoCrete 6000 should be applied to prepared surface by using a steel trowel. Apply sufficient pressure to compact and level the surface. *ElastoCrete 6000* should be mixed and applied only by specialist flooring contractors who have been trained in the correct application procedures.

CLEANING • Tools and equipment must be cleaned with an organic solvent such as *SolvCrete 100*.

STORAGE & SHELF LIFE • Product should be stored at 25°C in dry conditions away from direct sun light. Shelf life is approximately 12 months from date of purchase in original unopened container at specified storage temperature.

ElastoCrete 6000 Polyurethane Floor Screed

SAFETY PRECAUTIONS • KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY, HARMFUL OR FATAL IF SWALLOWED. The application of material should be under good ventilation. Avoid inhalation of the vapors. Use goggles and vinyl gloves. In case of contact with eyes, rinse immediately with plenty of clean water, do not use solvent and seek medical attention immediately.

The product complies with environmental and occupational health & safety standards ISO 14001 and OHSAS 18001.

PACKAGING • *ElastoCrete 6000* is supplied in a 30 kg multi-component kit.

Creative Concrete Concepts

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