

# URETHANE CEMENT

## FLOORING SYSTEMS



# DESCRIPTION

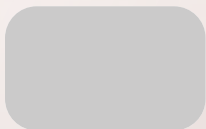
Ideal for food & beverage as well as industrial applications, Bio-Cem™ polyurethane cement utilizes the very latest in green-friendly raw material technology. These bio-based flooring systems provide floors with exceptional resistance to aggressive chemicals as well as mechanical and thermal shock. Bio-Cem™ is engineered for fast-turn around with performance suited for the most demanding applications, including slabs with elevated moisture vapor emissions.

Bio-Cem™ is widely used in applications such as food & beverage manufacturing, breweries and commercial kitchens. It is also an ideal selection for heavy-traffic industrial settings requiring high abrasion & impact resistance. Systems consist of a thick-build polyurethane cement slurry, self-leveling slurry, UC topcoat and UC cover base mortar for vertical applications. All BioCem™ applications may be fortified with anti-microbial additives at the option of the specifier.

Bio-Cem™ forms a seamless impermeable surface that is completely resistant to harsh chemicals as well as oleic acid byproducts generated by enzymatic cleaners.

## FEATURES AND BENEFITS:

- » Outstanding thermal shock resistance
- » Superior impact & abrasion resistance
- » MVER resistant
- » High chemical resistance Oleic acid and enzymatic cleaning agents
- » Completely seamless
- » May be fortified with anti-microbial additives



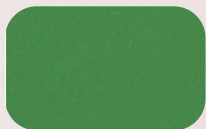
GREY



DARK GREY



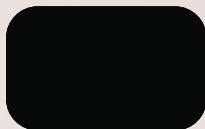
RED



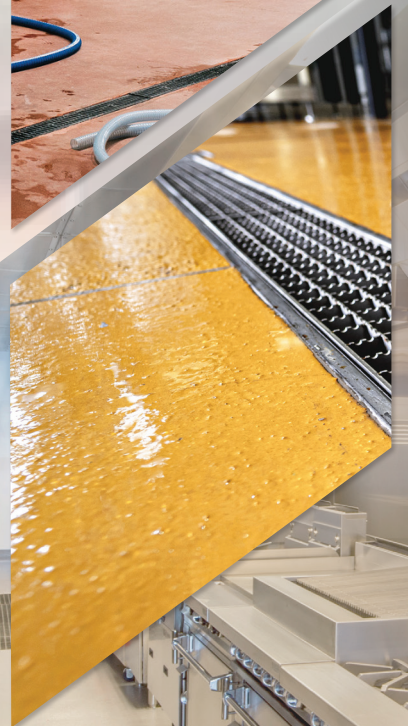
GREEN



TAN



BLACK



# FLOORING DESIGN

Bio-Cem Polyurethane Cement systems may be constructed in several ways to suit the needs of the application. Applied anywhere from 1/8" to 1", these seamless flooring applications may also incorporate an integral perimeter cove base that can be troweled up vertical surfaces, leaving a continuous horizontal to vertical transition.

From completely smooth to highly textured, surfaces may be customized to meet facility coefficient of friction requirements and maintain compliance with municipal regulations. Systems may be top-coated with the Bio-Cem top-coat topcoat system or other urethane or polyaspartic top-coats.

## APPLICATIONS:

- » Breweries
- » Commercial Kitchens
- » Hospital & University Food Preparation Areas
- » Heavy Industrial
- » Food & Beverage Manufacturing

## URETHANE CEMENT SYSTEMS

SU-100	Self-leveling polyurethane cement application. Base coat of BioCem SL @ 1/8" is broadcast to rejection with specialized quartz aggregate to a thickness of 3/16" System is then topcoated with high-performance BioCem UC topcoat. Lightly textured surface is deal for light to medium duty food & beverage applications.
SU-110	Self-leveling polyurethane cement application. Base coat of BioCem SL @ 1/8" is broadcast to rejection with specialized quartz aggregate to a thickness of 3/16" System is then topcoated with Kinetic HS pigmented polyaspartic topcoat for a glossy, UV stable finish. Lightly textured surface is Ideal for light to medium duty food & beverage applications.
SU-120	Heavy-duty urethane cement system utilizing BioCem Monofloor 3/16" slurry. Slurry is broadcast with specialized quartz aggregate to a 1/4" thickness and topcoated with a polyurethane cement top-coat. Ideal for areas experiencing heavy thermal shock such as brewery production areas and commercial kitchens.
SU-130	Heavy-duty urethane cement system utilizing BioCem Monofloor 3/16" slurry. Slurry is broadcast with specialized quartz aggregate to a 1/4" thickness and topcoated with a pigmented polyaspartic topcoat. Ideal for industrial areas where a pigmented, UV stable and chemical resistant system is required.

