

UCRETE®

THE TOUGHEST FLOOR

- + Thermal Resistance -40°C up to +120°C
- + Chemical Resistance (up to 150 kinds)
- + Anti - static
- + Wear & Crack Resistance
- + Fast Installation
- + Any system of cleaning are applicable
- + eg. Steam (Tested by Campden)
- + Hygienic Approval from EU USDA
Campden & CEBT
- + ISO 9002 Approval
- + up to 40 countries references
- + up to 50 projects of references in Thailand



The Users

- +Food Industry
- +Chemical Industry
- +Pharmaceuticals
- +Metal Processing
- +Textiles
- +Water Industry
- +Electronics
- +Pulp and paper

UCRETE®

POLYURETHANE CONCRETE FLOORING

UCRETE THE TOUGHEST FLOOR

UCRETE polyurethane concrete floors are the toughest floors... for the most demanding industrial environments. Developed and patented in the late 1960's **UCRETE** flooring systems combine the toughness and chemical resistance of polyurethane with the durability and heat resistance of concrete. Wherever floor surfaces are exposed to corrosive attack and heavy traffic **UCRETE** flooring provides the most cost-effective solution.

benefits

UCRETE flooring...the benefits.

Long Life

+**Wear resistance** to heavy traffic...even steelwheeled trolleys. Abrasion resistance double that of concrete.

+**Heat resistance** to temperatures from -40°C to 120°C. **UCRETE** floor will not de-laminate due to stresses caused by thermal shock or repeated cycling.

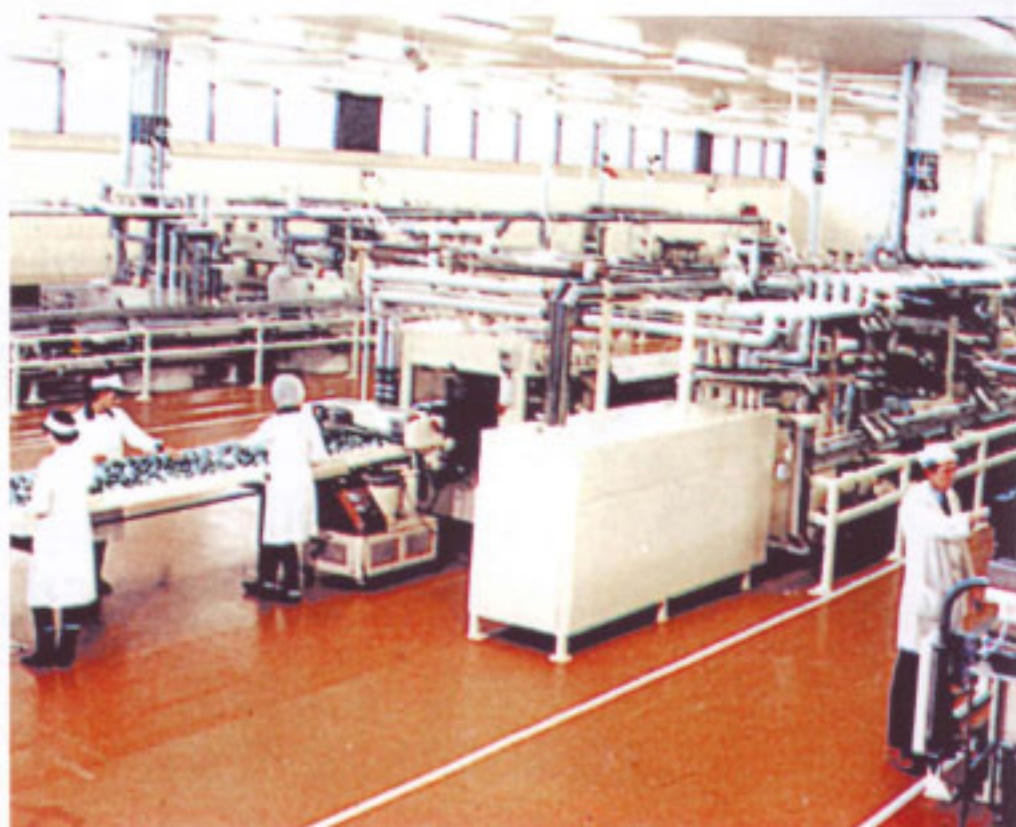
+**Impact resistant.** **UCRETE** floors will yield plastically -not crack or craze. This resistance is maintained even at freezer-room temperatures.

Hygiene and Safety

+**Approvals.** **UCRETE** floors meet all the requirements of EC directives on food plant hygiene and those of US regulatory agencies.

+**Slip resistant.** Profiled grades are slip-resistant even when wet.

+**Easy to clean.** **UCRETE** floors can be cleaned with almost all industrial detergents and sterilants, high pressure water jets or live steam (at 9mm thickness or above)



+**Chemical resistance (up to ISO kind).** **UCRETE** floors have a wider range of resistance to chemicals and solvents than any other resin floor. The resistance is maintained through the total thickness, it is not dependent on a thin seal coat.

+**Non-tainting.** No tainting of foodstuffs by the finished floor 12 hours after application.

+**Monolithic.** Joints are minimised. Less accumulation of dirt and bacteria.

+**Non-dusting.**

Expert Installation

+UCRETE floors are laid only by licenced applicators fully trained in the correct handling, mixing and application techniques.

Fast Application

+Moisture tolerant. Can be laid onto 7 day old concrete. On some polymer screeds application after 2 days is possible.

+Cures rapidly. Can be walk on after 8 hours and in full service after 24 hours at 15-20°C.



Products

UCRETE UD200

Finish : Profiled

Applied thickness : 6 to 9 mm

Thermal resistance : -40°C up to 120°C

Chemical Resistance : up to 150 kinds

UCRETE UD200 floors find their widest use in the food industry. They have a light profiled finish giving an optimum combination of wet/dry slip resistance and ease of cleaning. The choice of thickness is determined by service/cleaning temperatures and severity of traffic.

Products

UCRETE MF

Finish : Smooth

Applied thickness : 3 to 6 mm

Thermal resistance : -5°C up to 70°C

Chemical Resistance : up to 150 kinds

UCRETE MF floors have a smooth semi-matt finish giving maximum ease of cleaning. They are widely specified for dry process, packing and storage areas subject to light traffic (including fork-lifts) and occasional spillage.

Products

UCRETE WR

Finish : Smooth

Applied thickness : 3 to 9 mm

Thermal resistance : -40°C up to 120°C

Chemical Resistance : up to 150 kinds

UCRETE WR is used to form coves and skirtings and to protect plinths, drains, tank bases, sumps, effluent storage pits and other vertical surfaces.

The Mastertop® 1200 systems

Mastertop® 1210

Floor coating, 0.5 to 1 mm. the economical solution for areas with moderate mechanical wear and limited chemical exposure

Mastertop® 1220

Multilayer floor, 2 to 5 mm. Offers high resistance to mechanical wear and chemical exposure; suitable for steam-jet cleaning

Mastertop® 1225

Antistatic multilayer floor, 2 to 5 mm. The conductive version of Mastertop 1220 for areas expose to electric fields and danger of explosion

Mastertop® 1230

Self-levelling floor, 2 to 4 mm. For areas with chemical and biological exposure and high aesthetic and hygienic requirements

Mastertop® 1240

Mortar screed, 6 to 8 mm. For areas with extreme mechanical, chemical and physical exposure and high hygienic requirements

Mastertop® 1250

Mosaic topping, 6 to 8 mm. For decorative floors with good mechanical strength and good maintenance properties

Mastertop® 1255

Rock floor, 5 to 8 mm. For special decorative and ornamental effects

Specialty flooring products from Bitec



Specialty flooring products from Bitec

+ Polyurethane Concrete flooring

- Ucrete UD200 (Heavy -duty slip resistant flooring)
- Ucrete MF (Medium-duty slip resistant flooring)
- Ucrete WR (Coving and wall render)

UCRETE flooring approvals and test reports

Austria - Building Institute

- Resistance to cleaning chemicals 1992

Denmark - Technological Institute

- Abrasion and chemical resistance 1987

France - CEBT

- Physical properties 1990

Germany - Polymer Institute

- Physical properties 1991

UK - Campden Food and Drink Research Association

- Taint testing 1982
- Hygiene characteristics 1989
- Water absorption 1993

USA - USDA Food Safety and Inspection Service

- Acceptance for meat and poultry plants 1983
- Renewal 1991

+ Epoxy flooring

- Mastertop 1110 (Water dispersed epoxy resin coating)
- Mastertop 1210 (Industrial floor coating)
- Mastertop 1220 (Slip-resistant seamless industrial flooring system)
- Mastertop 1230 (Seamless self-smoothing industrial flooring system)
- Mastertop 135i (Conductive Self-smoothing industrial flooring system)
- Mastertop 1240 (Coloured industrial flooring mortar system)
- Conipox 285 W-AS (anti-static)
- Conipox 289 (Conductive layer)

+ Cementitious floorhardener flooring

- Mastertop 100 (Non-metallic)
- Mastertop 200 (Metallic)

+ Fiberglass Reinforcement Plastics (FRP)

- FRP. Lining & Coating
- FRP. General Work by Design

BITEC ENTERPRISE LTD.

11th Floor, KPN Tower Building 719 Rama 9 Road, Bangkok, Huaykwang
Bangkok 10310 Thailand Phone +662 717-1155 Fax +662 717-1156

www.bitecenterprise.com

