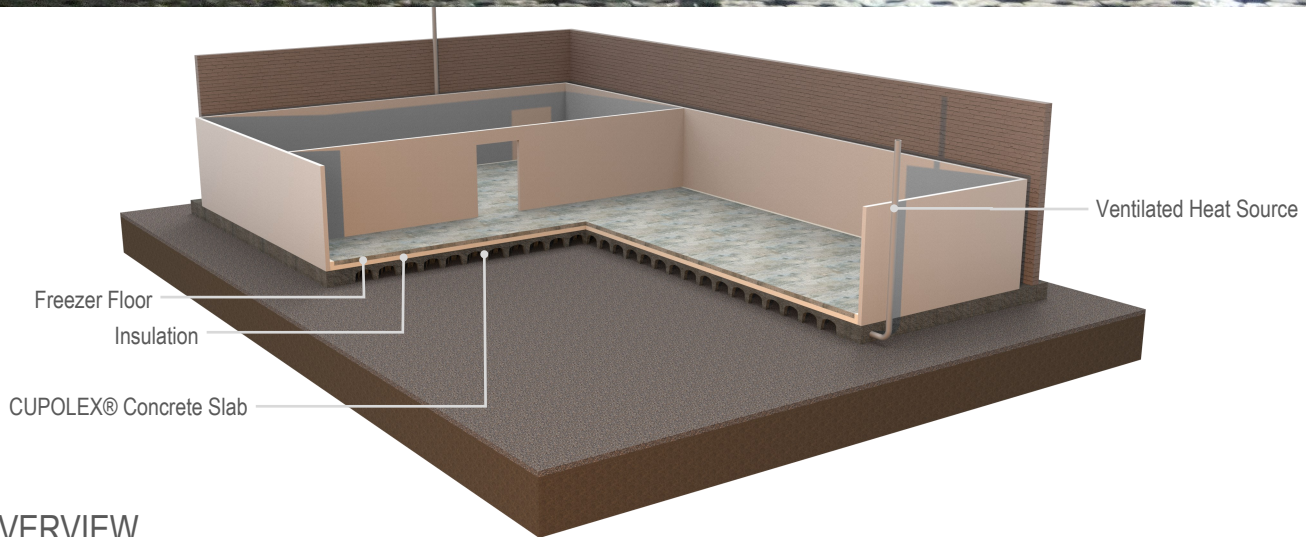


# CUPOLEX® CONCRETE FORMING

## FROST PROTECTIVE CONCRETE FLOORS



## OVERVIEW

CUPOLEX® provides value engineering and cost-effective structural design solutions for freezer warehouse floors and ground heave solutions. Our floors are aerated giving the opportunity to passively or mechanically heat the sub-slab void to prevent frost formation. This alleviates the structural concerns associated with frost heave on freezer floors and also minimizes the parasitic heat gain to the refrigerated space.

## FEATURES

- The air distribution ductwork below CUPOLEX® is continuous and provides unrestricted air flow below the entire concrete slab.
- Under-floor heat can be supplied from outside air, warm exhaust air from a process, warm air from the engine room, or any other conveniently located space.
- Can be designed as a “closed” systems, meaning the air used in the under-floor system is recirculated after adding heat and dehumidifying.
- Manufactured to ISO 9001:2015 high quality standards
- Void depths range from 2” (50mm) to 28” (700mm)
- Complete construction documents with stamped and sealed design drawings provided by CUPOLEX® licenced Pes
- Forms around foundation structures (walls, pile caps, grade beams etc.)



## ADVANTAGES

- Allows any moisture that may condense inside the CUPOLEX® void space to drain out
- Maximum amount of heat entering the subsoil
- No risk of plugging of pipe branches by frost, ice, or other debris.
- Allows the designer greater freedom for use of a fans to insure sufficient airflow can be delivered to all branches in the sub-floor network.
- No environmental concerns of leaking glycol into the soil
- Fast assembly and can be installed by any concrete slab contractor or forming contractor

