



PROJECT PROFILE

DETENTION FACILITIES

PROJECT

Fresno County
Detention Facility

ARCHITECT

Fresno County Public
Works Department
2220 Tulare Street
Fresno, CA 93721

DETAILS

K-13"fc"® White
82,000 Square Feet
1" Thickness

A correction facility should enhance its staff's ability to control and manage inmates, lower tension, and provide an accommodating work environment. These objectives are easily achieved with the superior acoustics and light reflectivity of K-13"fc". Studies have shown that K-13"fc" can produce a noise reduction coefficient of as much as .90 at a thickness of only one inch. For improved lighting, K-13"fc" has a reflectivity of up to 81%.

The Fresno County Detention Facility is a typical example of what can be accomplished with K-13"fc". The Project Architect was having difficulty meeting noise codes in the dayrooms. Initial noise levels were measured at an average of 82 dBA; well above the noise levels required by state regulations. As an acoustic treatment, one inch of K-13"fc" white was applied to the concrete ceiling and gypsum soffit and walls. Consequently, later noise measurements showed an overall noise level reduction of approximately 10 decibels (perceived by the human ear as a 50% noise reduction.)



By directly reducing noise and reverberation, K-13"fc" prevents the cycle of escalating noise levels which occurs between groups in reflective enclosures. This often results in an additional 5 dB noise level reduction.

The application of K-13"fc" also fits well with the "fast-track" style of building construction necessary to meet the immediate demand for more detention space. K-13"fc" can be installed quickly with little disruption to other trades.

In addition to the superior acoustics and light reflectivity of K-13"fc", the K-13 family of products offers a wide

range of benefits, such as, thermal insulation, durability, color options and condensation control. No matter what your design requirements and budget constraints are, K-13 products can be customized to meet your needs.

Prisons, schools, retail facilities, and exhibit halls are just a few of the many types of buildings which benefit from the application of K-13 products. For complete details on how you can improve the acoustic, thermal, and visual performance of your facilities with the K-13 family of products, contact ICC at **800/444-1252**.