

UNIFORM SYSTEM 3
A.I.A. FILE NO. 4-K

lightweight

• acoustical •

fireproof •

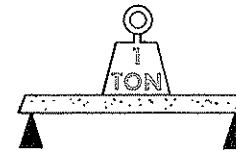
economical

Zonatile®

insulating
precast
CONCRETE
ROOF DECKS

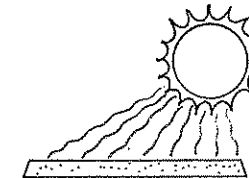
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Zonatile COMBINES THE FUNCTION OF MANY PRODUCTS



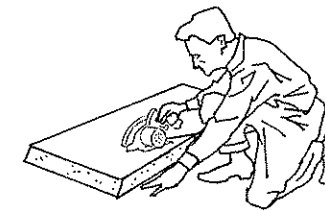
STRENGTH

Zonatile is designed to support a minimum superimposed load of 200 lb./sq. ft. All production is rigidly supervised by our own laboratory technicians. Twin City Testing Laboratory of St. Paul, Minnesota, has conducted many independent strength tests.



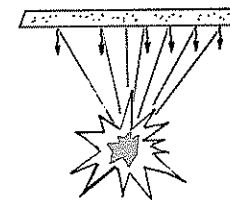
INSULATION

ASTM Standard C-177-45 shows Zonatile decks have a "U" factor of .195 which is equal to about 1½" of rigid fiber insulation board.



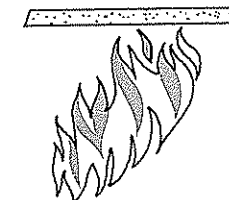
WORKABILITY

Ordinary hand tools are used to trim Zonatile to fit job conditions and the openings needed by the electrical and mechanical trades. Consult with our Engineering Department for special details not shown in this brochure.



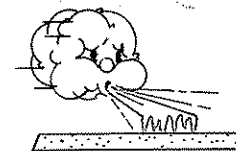
ACOUSTICS

Because of its porous textured ceiling surface, Zonatile has a sound absorbency comparable to most acoustical ceiling tile boards.



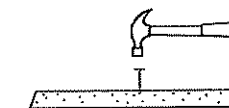
FIRE RESISTANCE

Zonatile can be produced with U.L. label inspection service. Check with your local fire insurance rating bureau and see how you can save money with substantial reductions in insurance premiums.



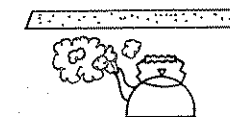
PLACE IN ANY WEATHER

Zonatile has been kiln cured, thus assuring the qualities claimed. It is unaffected by cold, rain or heat. Grout material is quick setting.



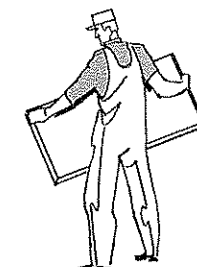
NAILABLE

Zonatile has good nail holding ability with tapered concrete, Tube Lok, ES nails or cut nails. Very desirable for sloping roofs.



PERMANENT

Composed of all mineral concrete, Zonatile is not subject to deterioration under damp conditions. It is ideal for application over swimming pools, car washes, laundries, paper mills, etc.



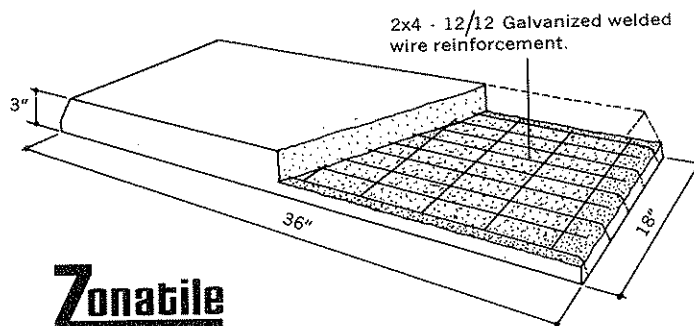
LIGHTWEIGHT

Because Zonatile weighs only 10 lb./sq. ft. (less than 1/3 the weight of conventional concrete) lighter roof framing is possible. Shipping costs are low and Zonatile can be installed without expensive mechanical equipment.

Zonatile slabs are manufactured by a unique process which utilizes lightweight insulating aggregate, portland cement, galvanized reinforcing mesh, plus certain additives. Kiln curing assures a precast concrete deck system with desirable qualities for building construction that appeals to the architect, engineer, contractor and owner. Zonatile decks now installed cover millions of square feet on schools, churches, factories, shopping centers, nursing homes, government buildings, etc., over wide areas of the United States. Check and compare and you will find that there is no roof deck with as much to offer. Save valuable dollars on your next building project.

Zonatile

PRECAST CONCRETE ROOF DECKS



Zonatile

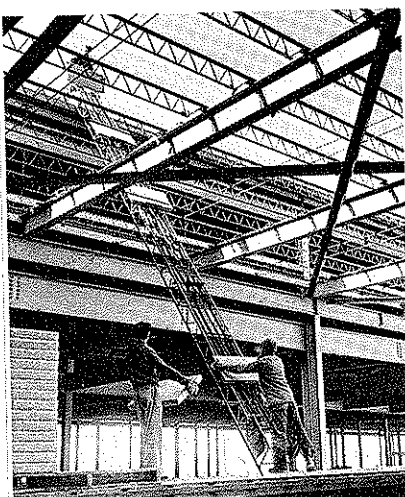
Physical Properties	Zonatile
SIZE:	36" long—18" wide—3" thick
WEIGHT	10 lbs. per square foot
DESIGN STRENGTH	50 lbs. per square foot factor of safety 4
INSULATION (including built-up roofing)	"U" = 0.22
SOUND ABSORPTION	NRC = .65

PAINTING RECOMMENDATIONS

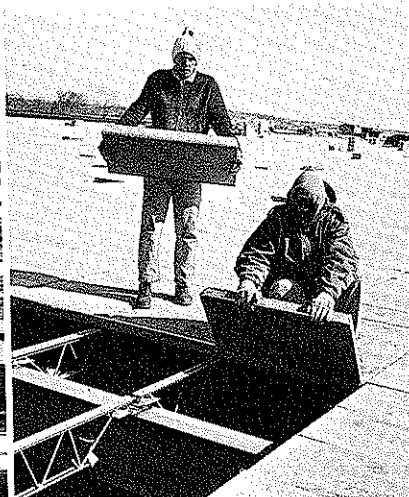
When Zonatile is used as an exposed ceiling in a finished area, painting is recommended. A non-bridging paint should be used to avoid closing the surface to sound absorption. Test results indicate that a latex base paint thinned with equal parts of water and spray applied in two coats resulted in a loss of less than .02 N.R.C. value.

ROOFING RECOMMENDATIONS

Zonatile decks provide an excellent base for the application of built-up roofing. Zonatile is a "nailable" concrete. Roofing may be either nailed, or mopped to the Zonatile Deck. The first layer of roofing should be a 43 pound coated base sheet. If nailing procedure is followed, use 6D tapered concrete nails driven through tin tabs. If mopping procedure is followed the first layer must be mopped with "steep asphalt". Do not mop the deck with pitch. Follow the built-up roofing manufacturer's specifications.



Conveyor elevates slabs from trailer to roof.



Zonatile is quickly applied in any weather, forming safe walking surface.



Pre-mixed grout at beveled edges gives positive anchorage.



No roofing delays. Nail or mop 43 lb base sheet.

NITTERHOUSE

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