

NEW SOUNDLESS WORLD **CALME** **NEO-CALME**

SINTERED ALUMINUM SOUND ABSORBING MATERIAL

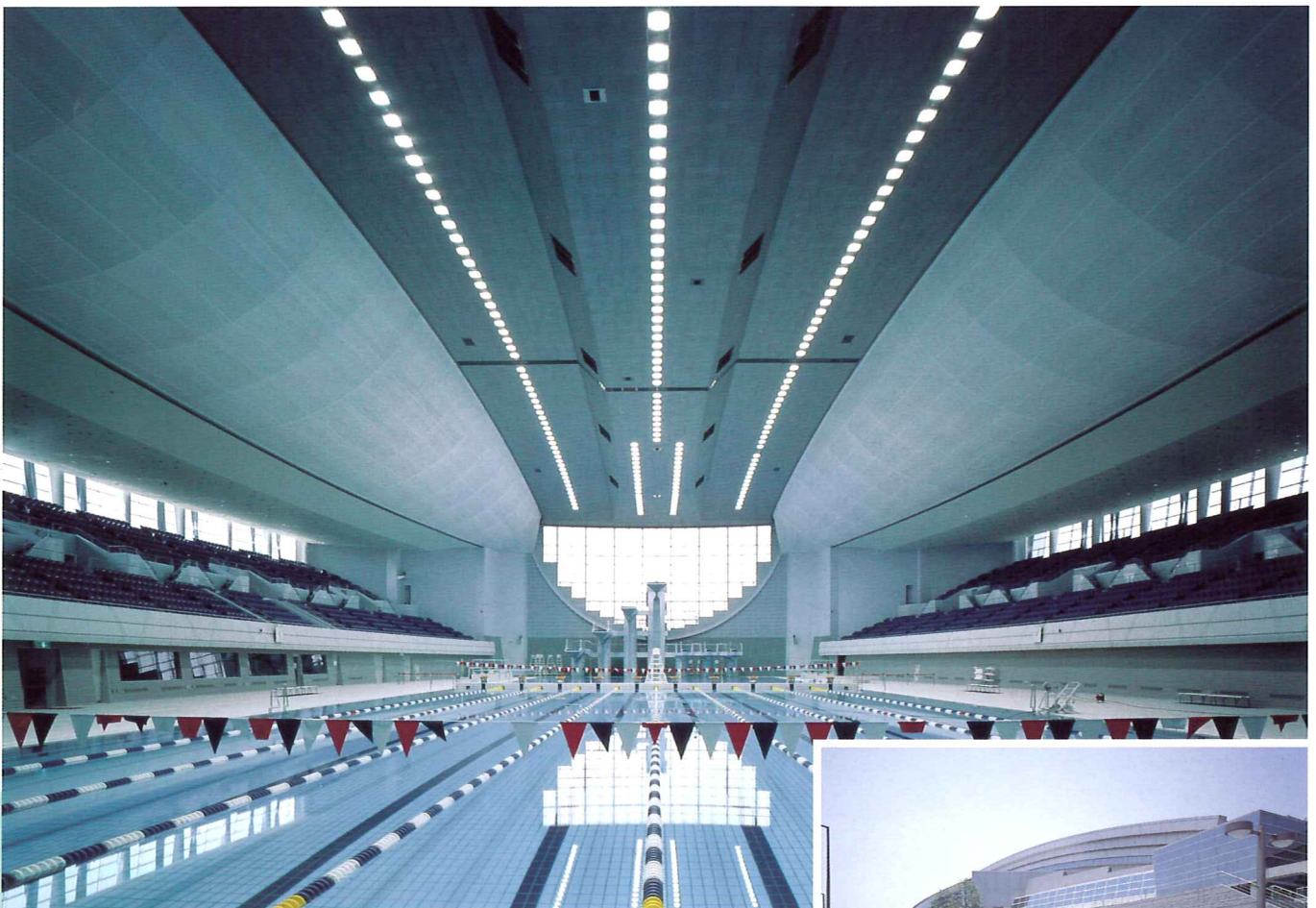
JAPAN PATENT : 1070411
U.S.A. PATENT : 4283465
U.K. PATENT : 2003933
Various Engineering Prizes Awarded

Non-Combustible Approved NM-9209
(Ministry of Land Infrastructure and Transport)
Underwriters Laboratories Inc. Classified
Acoustical Material R13582(S)
Surface Burning Characteristics
Flame Speed 5
Smoke Developed 0

CALME is a sintered material of aluminum powder. The successful manufacture of such a product has long been elusive. After many years developed to research and developed, NDC has become the first company in the world able to offer this revolutionary material.

CALME offers superior sound absorbing characteristics and numerous other benefits.

Major costumers used CALME in various applications have declared that they are very satisfied!



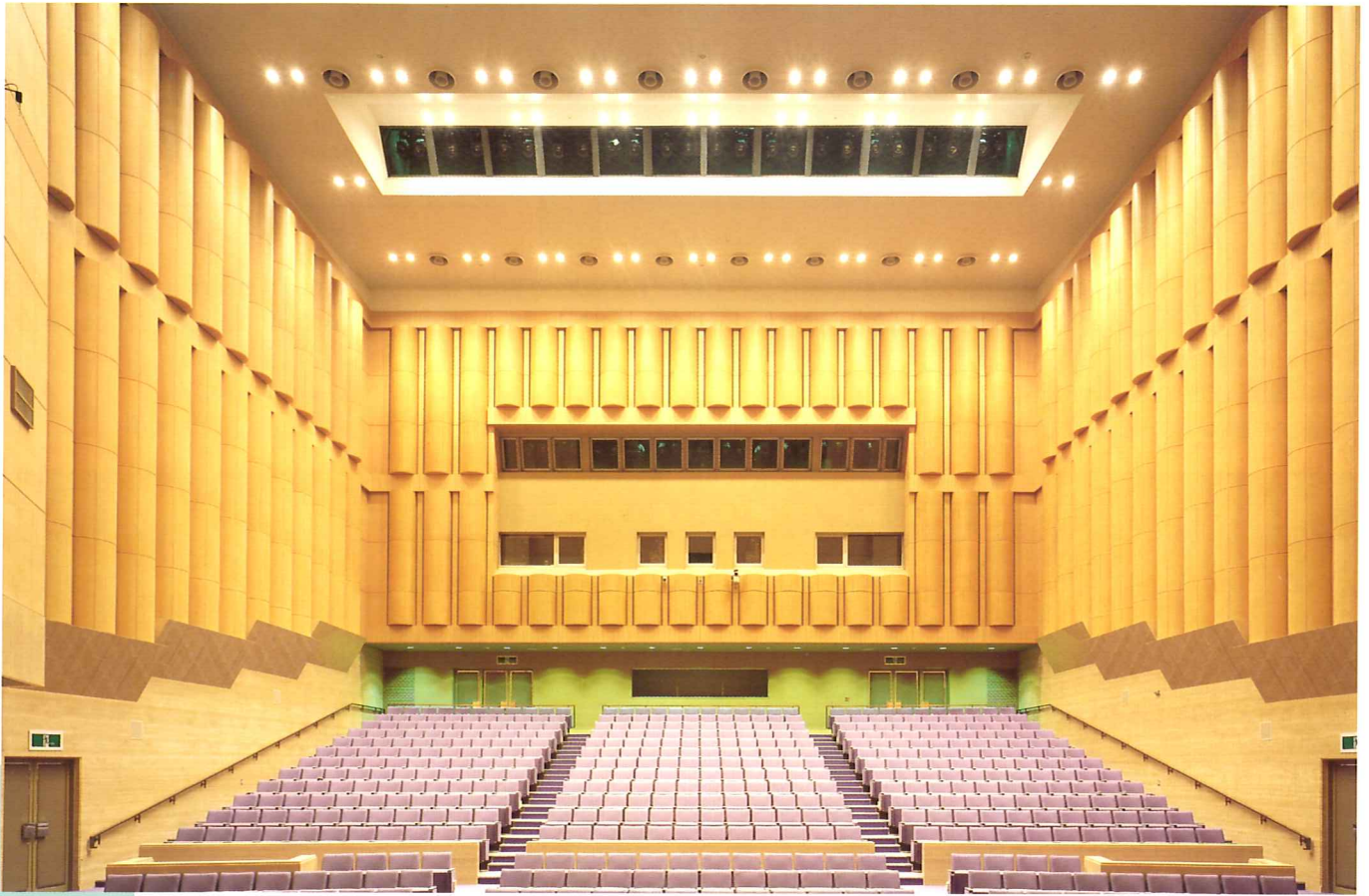
Ceiling at the Chiba International Indoor Swimming Pool



CALME's CHARACTERISTICS

- 1. Ultra-High Sound Absorption**
- 2. Corrosion, Weather and Thermal Resistance**
- 3. Light Weight**
- 4. Excellent Workability**
- 5. Fire proof and Non-Smoke Developing**
- 6. 100% Recyclable**

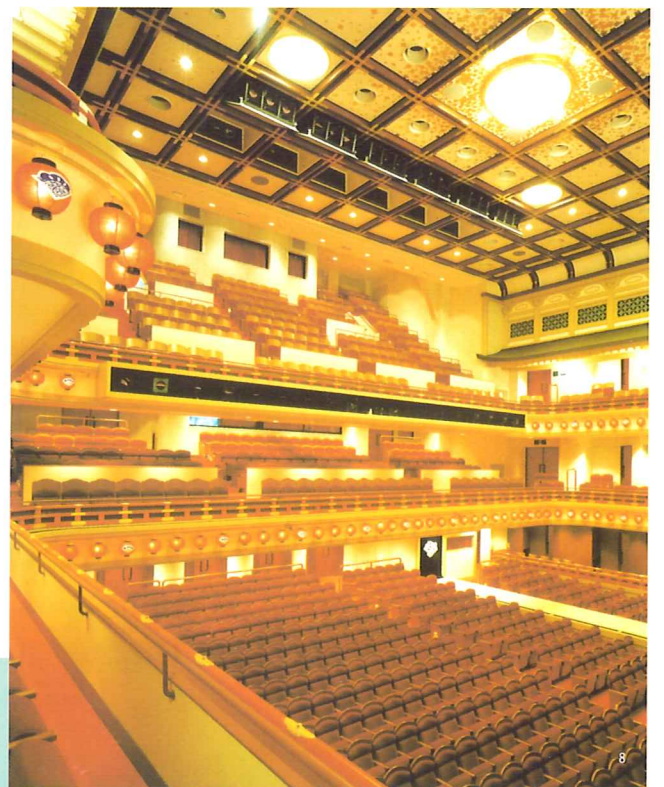
ARCHITECTURE SECTION



Rear & Side Wall (Reversible Reverberation Cylinder System)



Ceiling at the Osaka Fine Arts University
1981 awarded Architectural Institute of Japan Prize



Rear Wall of KABUKI Theater (Kyoto Minamiza)



Side Wall of Auditorium at KAISEI Gakuen



Balcony & Wall at the Theater



Wall & Ceiling at Ko Shan Theater (Hong Kong)

SOUND-PROOF SECTION



Side Wall of Underground Platform (Shin-Chitose Airport Station)



Sound-proof Enclosure for Press Forming Machine

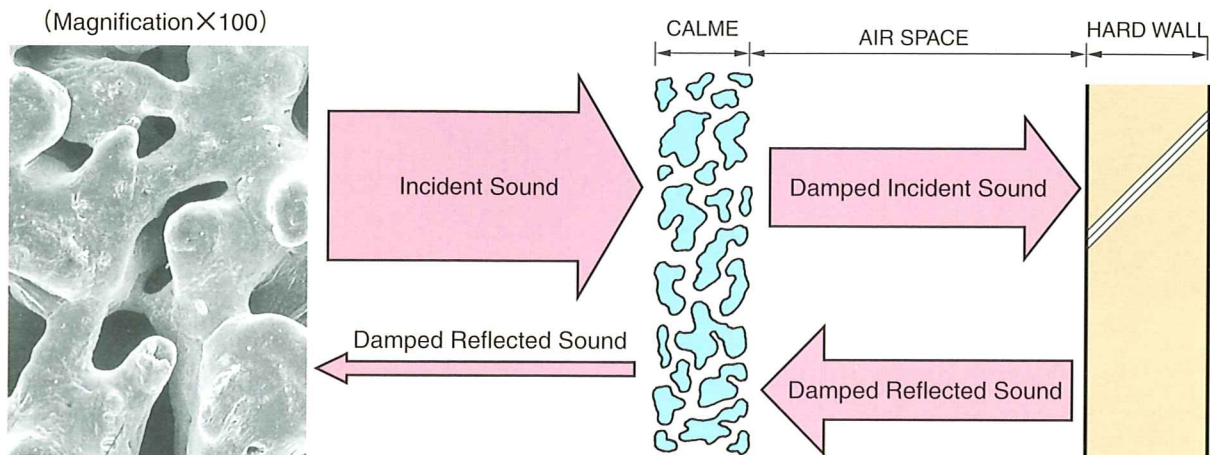


Sound-proof Wall of the New Johetsu Line

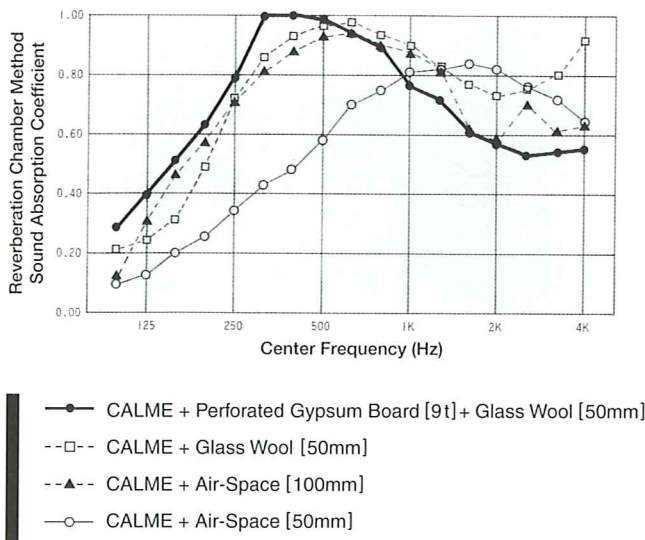


Sound-proof Enclosure for 2500ton Transfer Press Machine

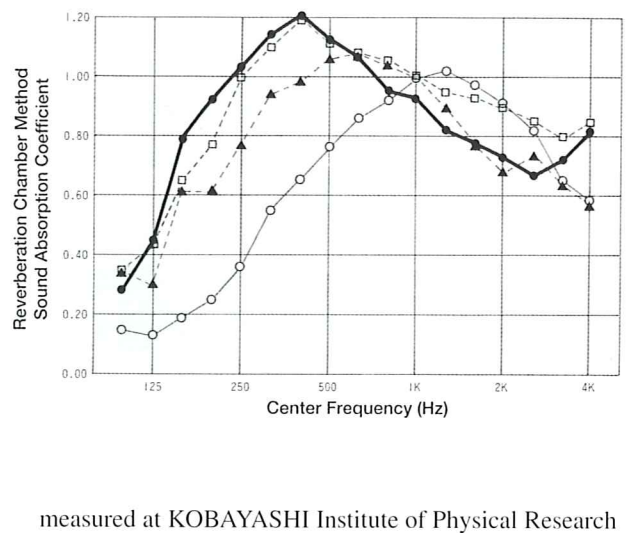
CALME'S SOUND ABSORBING MECHANISM



CALME'S SOUND ABSORPTION RATES



NEO-CALME'S SOUND ABSORPTION RATES



CALME PRODUCT SPECIFICATION

- Type A-type ; for Indoor Use
C-type ; Unti-Corrosion type, for Outdoor Use or Indoor Swimming Pool etc.
- Size and Texture

	Neo-CALME		CALME	
	600×600mm	600×1200mm	600×600mm 2'×2'	600×1,200mm 2'×4'
size	600×600mm	600×1200mm	600×600mm 2'×2'	600×1,200mm 2'×4'
thickness	2.0mm		3.0mm	3.0mm
textured style	embossed corrugated stucco		embossed corrugated stucco	

· Smooth type is available for CALME only

SURFACE TEXTURE STYLE



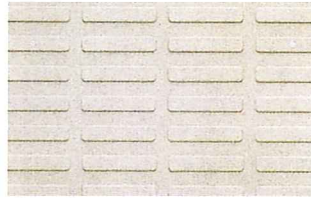
corrugated



embossed

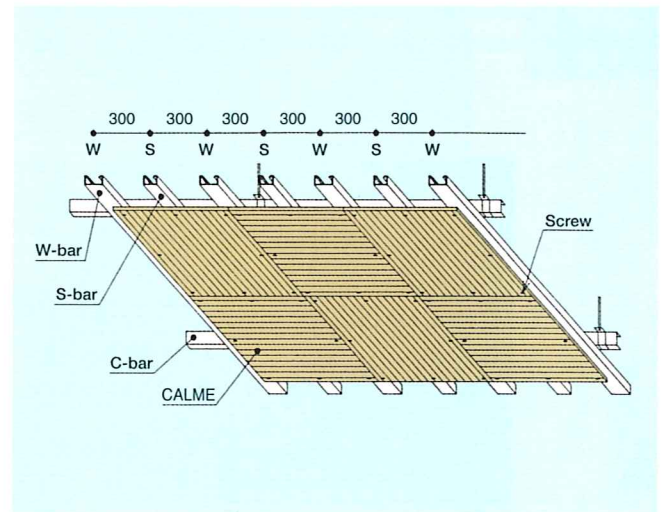
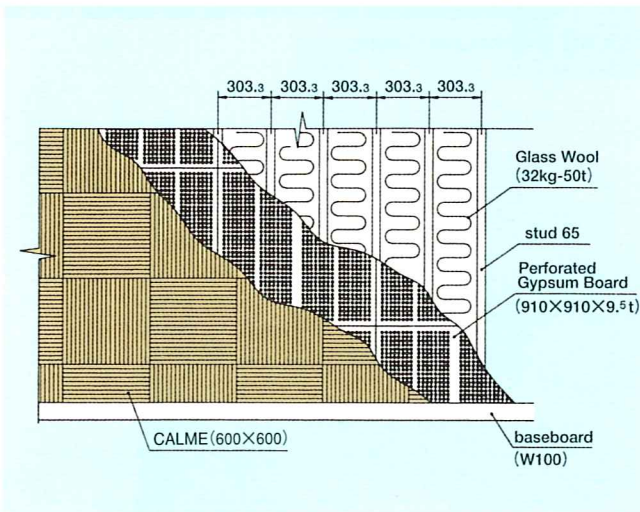


stucco



ridged

EXAMPLES of CONSTRUCTION



Exemption from responsibility

- ① A problem by design and installation.
- ② A problem by installation material and joint material.
- ③ A problem by a disaster, fire, etc.
- ④ A problem by usual secular change.
- ⑤ A problem by user's fault or third person's fault.

ARCHITECTURAL ACOUSTICS

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