

SURFACE DESIGN

AVAILABLE AS

SYMETRA 矩陣

Rg 2.5-10

THERMATEx

Ceiling tiles made from new generation bio-soluble mineral wool, clay and starch with excellent fire resistance and acoustic performance.

材質特性：

- a. 材質：無石棉 (CNS 13970)
無甲苯釋出 (0.3 ppm以下) (CNS 11971)
防塵等級：class1000 (Fed. 209) (ASTM D4138-94)
- b. NRC吸音率為0.65 (ASTM C423)
- c. 反光度：LR 1 0.85 (CNS C10756-1)
- d. 耐燃特性：符合CNS14705 耐燃測試一級
- e. 防火時效：60 - 90分鐘 DIN 4102 B1級 (需搭配防火型骨料)
防火特性：發煙量0
- f. 表面延燒度：A級(ASTM E 1264)火燄漫延度25或以下 (ASTM E84)
- g. 密度：265±10% kg/m³以下(避免骨架承載過重，依據ASTM E580防震規範)
- h. 在溫度30°C，相對溼度90%內，無可見下陷(小於0.1吋或2.55mm)
- i. 通過 ISO 9001 認證
- j. 營建署綠建材認證之環保材料



Knauf AMF GmbH & Co. KG is certified in accordance with Quality Assurance Standard to ISO 9001 and ISO 14001



The RAL Seal of Approval gives assurance that mineral panels are regularly checked for quality, safety and fire protection

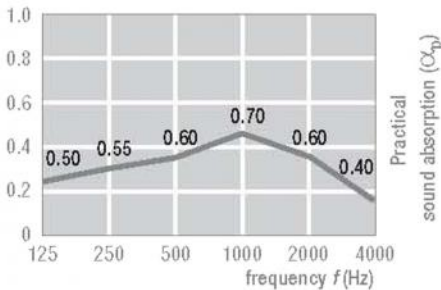
TECHNICAL PERFORMANCE

Sound Absorption

EN ISO 354

$\alpha_p = 0.60$ as per BS EN ISO 11654

NRC = 0.65 as per ASTM C 423



Class 1 Surface Spread of Flame to BS 476: Part 7: 1987. Class 0 as defined by Building Regulations, 1987. Class B1 as per DIN 4102, part 1, Class A2/B1 as per DIN 4102, part 1.



Thermal conductivity $\lambda = 0.052 - 0.057$ W/mK



Up to 87%



Humidity resistant panels up to 90% RH

SPECIAL PROPERTIES



Fire protection up to 1 hour in accordance with BS 476: Parts 20-23; 1987. Fire resistance F30-F120 to DIN 4102, Part 2.



HYGENA - bactericidal and fungicidal treatment

DIMENSIONS, PANEL THICKNESS

Standard Sizes: 605 x 605 mm x 15 mm for 9/16" T BAR

Thickness / Weight: 15 mm (c. 4 kg/m²)

Colour: White similar to RAL 9010, other colours available to order

All specifications are subject to change without notice.

Ceiling installation must be as described in the relevant test reports and assessments.



PERFORMANCE CEILINGS