AcoustiFINISH™ (AF90)

Spray Applied Acoustic Ceiling & Wall Finish

(Divisions 09 80 00, 07 21 00)

PRODUCT NAME

AcoustiFINISH™ AF90 (Hereinafter known as ***AF90***)

AF90 is a fibreglass–based product that provides a textured ceiling finish that will meet the needs of the most demanding design.

1. MANUFACTURER

AF90 is a two-component product manufactured by ThermaCoustic Industries International Limited. The components of ***AF90*** are supplied to trained, approved Applicators who complete on-site manufacturing during installation.

2. PRODUCT DESCRIPTION

A. Usage:

AF90 is a general-purpose system designed to meet a variety of acoustic needs in the industrial, commercial and multi-family construction sectors.

B. Materials:

AF90 is a two component system. The components are:

a) Fine, white glass fibres containing at least 35% recycled raw material;

b) A specifically formulated synthetic emulsion adhesive that is non-hazardous.

These components are combined on the site to produce an inorganic, non-combustible, non-toxic, odourless and long-lasting bright white installation.

C. Applications:

When sprayed into place, ***AF90*** forms a monolithic, somewhat resilient and flexible finish that bonds easily to concrete, clean steel, aluminum, wood, gypsum board, rigid fibreglass and plastic insulation materials.

D. Limitations:

AF90 is normally applied to any surface in a one-pass application. The maximum thickness of any installation will not likely exceed 25 mm (1.0 in) as further acoustic benefit is unlikely to accrue from greater thickness.

a) Adhesive must be kept from freezing;

b) Do not apply ***AF90*** at temperatures below 4°C (40°F) or when temperatures during curing time will fall below the limit unless heating of substrate and ambient air is supplied and both heat and adequate ventilation are maintained throughout the curing period;

c) Store ***AF90*** components in a cool, dry location and above ground level.

3. TECHNICAL DATA

ASTM C-423-08:	NRC = 0.90 (25 mm/1 in)
ASTM C-423-08:	NRC = 0.60 (12.5 mm/0.5 in)
ISO 354:2003:	NRC = 0.60 (12.5 mm/0.5 in)
ASTM C-518:	R = 3.7/in; RSI = 20.02/m K = 0.27; λ = 0.0390
CAN/ULC S-114:	Non-combustible
ASTM E-136:	Non-combustible
ASTM E-84:	Flame spread ≤ 25 Smoke development ≤ 450
MIL-STD 810E: (Method 508.4)	Fungal Resistance – No growth

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