

# MOISTSHIELD

## General Information

- > Moisture-resistant with water absorption value of less than 5%
- > Safe. Contains no hazardous substances
- > Manufactured using process and materials which are eco-friendly

## KNAUF Moisture-Resistant Gypsum Board

Designed and manufactured for internal walls & ceilings in high moisture areas such as bathrooms, kitchens, and indoor swimming pool areas. MoistShield provides a smooth, robust and beautiful appearance.

MoistShield is strong, durable and eco - friendly while offering effective moisture resistance according to International standards.

## Recommendation

KNAUF MoistShield should be installed together with KNAUF ceiling and wall metal frame systems in order to achieve highest performances.

## Specification

### KNAUF MoistShield

#### Edge Type

- > Tapered Edge
- > Square Edge

#### Board Dimensions

- > 9 x 1220 x 2440 mm
- > 12 x 1220 x 2440 mm

#### Knauf Metal Ceiling Frame

- > KC50\* & KC40

#### Knauf Metal and Wall Frame

- > KW50\* & KW40

#### Knauf Full Accessories

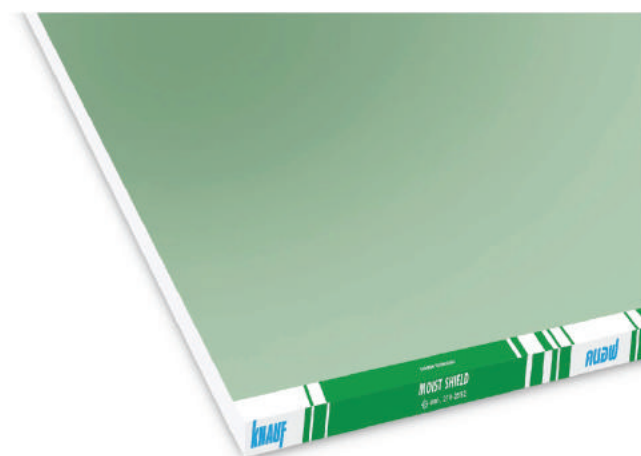
\*Complies with Thai Industrial Standards

- > TIS 219-2552
- > TIS 863-2532
- > TIS 50-2538

## Product Information

| Thickness (mm)      | Width (mm)   | Length (mm) | Weight (kg/m <sup>2</sup> ) | Edge*  |
|---------------------|--|-------------|-----------------------------|--------|
| 9                   | 1220   | 2440        | 6.95                        | TE, SE |
| 12                  | 1220   | 2440        | 8.50                        | TE, SE |
| Surface             | Green face paper and grey back paper.                      |             |                             |        |
| Installation Method | For best results, install with both Knauf wall and ceiling |             |                             |        |

\*Edge type TE = Tapered Edge, SE = Square Edge



KNAUF MoistShield

# GENERAL INFORMATION



Moisture Resistant



Splash Resistant

Product Standard

- > TIS. 219-2552
- > ASTM C1396
- > EN 520 (EU)
- > DIN 18180
- > BS 1230
- > AS/NZS 2588



## Wall System

| Knauf Frame C Stud/U Track | Overall Thickness of Wall System | Thickness of Sheet | Height* | Sound-Proofing Rate | Sound-Proofing Rate + Insulation** | Fire Resistance Rate | Usage Level*** | Weight            |
|----------------------------|----------------------------------|--------------------|---------|---------------------|------------------------------------|----------------------|----------------|-------------------|
| mm                         | mm                               | mm                 | mm      | dB                  | dB                                 | min                  |                | kg/m <sup>2</sup> |
| 50/52                      | 74                               | 12                 | 2985    | 33                  | 41                                 | 30                   | medium         | 17                |
| 63/65                      | 87                               | 12                 | 3525    | 34                  | 42                                 | 30                   | medium         | 17                |
| 75/77                      | 99                               | 12                 | 3915    | 34                  | 43                                 | 30                   | medium         | 17                |
| 91/93                      | 115                              | 12                 | 4740    | 35                  | 43                                 | 30                   | medium         | 17                |

\* Distance for C-Stud Frame equals 600 mm

\*\* Insulation is 50mm thick fiberglass, with density of 11 kg/m<sup>3</sup>

\*\*\* Usage Level has 3 levels: medium, heavy, and severe (depending on usage)

## Plastered Ceiling System

Table 1 Distance for installation of expansion bolt / upper wire / hook wire KC 50 / Knauf spring

| Bearing Capacity (kg/m <sup>2</sup> ) | 20   | 25   | 30   | 35   | 40  | 45  | 50  |
|---------------------------------------|------|------|------|------|-----|-----|-----|
| Distance from Center (mm)             | 1200 | 1175 | 1100 | 1025 | 950 | 875 | 800 |

Table 2 Distance for supporting frames

| Thickness (mm) | Distance for Installation (mm) | Direction for Installation        |
|----------------|--------------------------------|-----------------------------------|
| 9              | 406.67                         | Perpendicular with the main track |
| 12             | 610                            | Perpendicular with the main track |



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