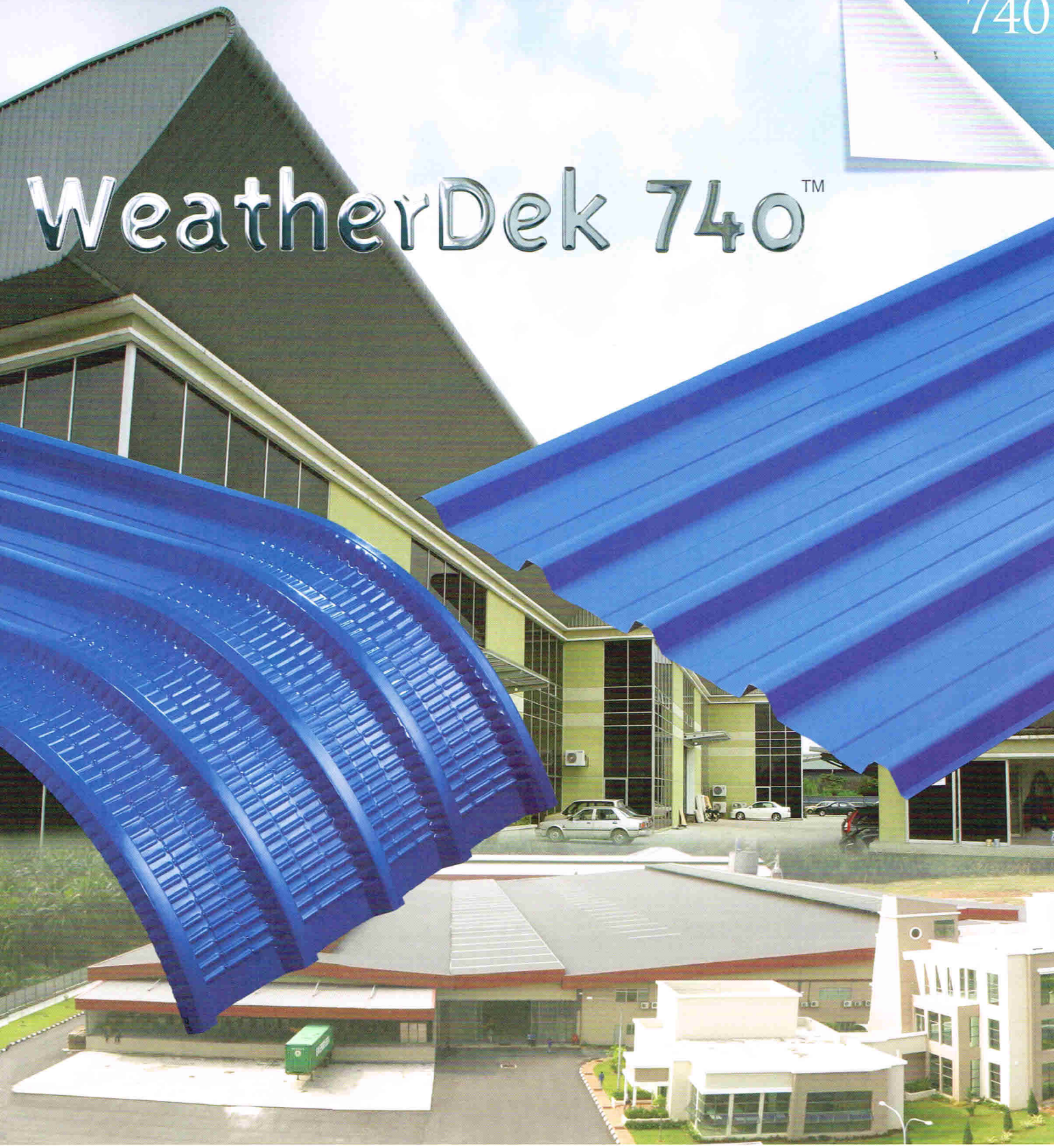
WEATHERDEK
740

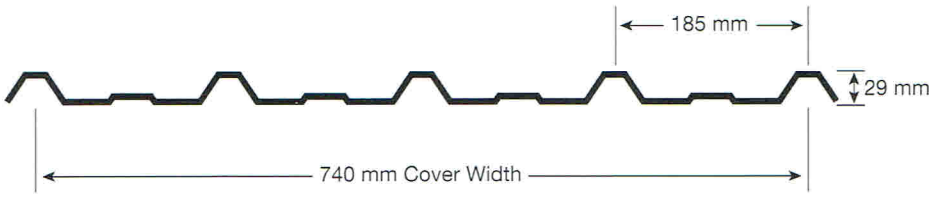
# WeatherDek 740™



• Versatility • Lightness • Strength

DMI
BUILDING PRODUCTS

# WEATHERDEK 740™




## MATERIAL

WeatherDek 740 is a stylish lightweight roof and wall cladding profile. Manufactured from high tensile steel, the profile has been engineered to give rigidity and wide span capability. The bold ribs provide strong and strinking apprearanced and is equally suitable for industrial, domestic and commercial applications.

## LENGTH

All products are available from DMI distributors in lengths up to 21 meters custom-cut to your length requirements. Lengths longer that 21 meters can be supplied, provided satisfactory transport and on-site handling can be arranged.

## TOLERANCES

Length : 0, -15mm  Cover width : ± 4mm

## PACKING

Sheet are packed in strapped bundles of one tonne maximum mass.

## PROFILE SPECIFICATIONS

| | ECONOMY | | | | REGULAR | |
|---|---|---|---|---|---|---|
| | Zincalume | Pre-painted | Zincalume | Pre-painted | Zincalume | Pre-painted |
| Base Metal Thickness (BMT) | 0.30 | | 0.35 | | 0.42 | |
| Total Coated Thickness (TCT) | 0.35 | | 0.40 | | 0.47 | |
| Mass per unit Area (kg/m$^2$) | 3.16 | 3.20 | 3.66 | 3.69 | 4.29 | 4.37 |
| Mass per unit Length (Kg/m) | 2.34 | 2.37 | 2.72 | 2.73 | 3.26 | 3.25 |
| Coverage (m$^2$/t) | 318 | 313 | 277 | 271 | 233 | 229 |

## TABLE 1 - MAXIMUM ALLOWABLE SUPPORT SPACINGS

| Base Metal Thickness | Table Coated Thickness | ROOF (mm) | | | | | WALL (mm) | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Single Span | End Span | Internal Span Overhang | Unstiffened Overhang | Stiffened | Single Span | End Span | Internal Span | Overhangs |
| 0.30mm | 0.35mm | 710 | 710 | 1350 | 110 | 220 | 1350 | 1350 | 1600 | 110 |
| 0.35mm | 0.40mm | 900 | 900 | 1550 | 130 | 260 | 1600 | 1600 | 1950 | 130 |
| 0.42mm | 0.47mm | 1100 | 1100 | 1750 | 150 | 300 | 1950 | 1950 | 2400 | 150 |

## LOAD TABLE (Uniformly Distributed Load Over Continuous Span Condition)

| Basic Metal Thickness | | | 900 | 1200 | 1500 | 1800 | 2100 | 2400 |
|---|---|---|---|---|---|---|---|---|
| 0.30mm | Safe Load Distribution | kPa | 1.2 | 0.8 | 0.3 | 0.2 | 0.2 | 0.1 |
| | Deflection Under Above Load | mm | 3.6 | 3.2 | 4.5 | 6.3 | 5.9 | 6.2 |
| | Safe Wind Uplift | kPa | 2.9 | 2.3 | 1.7 | 1.8 | 1.7 | 1.5 |
| 0.35mm | Safe Load Distribution | kPa | 2.8 | 2.2 | 1.2 | 0.7 | 0.5 | 0.3 |
| | Deflection Under Above Load | mm | 2.7 | 4.0 | 5.8 | 7.8 | 9.9 | 12.0 |
| | Safe Wind Uplift | kPa | 3.3 | 2.5 | 1.9 | 1.7 | 1.6 | 1.1 |
| 0.42mm | Safe Load Distribution | kPa | 6.0 | 3.5 | 2.2 | 1.5 | 1.1 | 0.9 |
| | Deflection Under Above Load | mm | 2.9 | 5.0 | 7.0 | 10.0 | 14.0 | 18.0 |
| | Safe Wind Uplift | kPa | 3.8 | 2.9 | 2.3 | 1.7 | 1.2 | 1.0 |

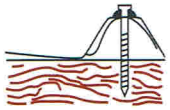
## MINIMUM ROOF SLOPE

The normal recommended minimum roof slope is 1 in 20 (approximately 3°). However, in non-cyclonic areas where roofs are in single sheet lengths, with a run of less than 15 metres, a minimum roof slope of 1 in 30 (approximately 3°) may be used. For recommended slope of roofs in cyclonic areas, please consult our DMI Distributors's Office.

## SHEET LAYING AND FASTENING

**Crest Fastener Location**
(Recommended for roofing)

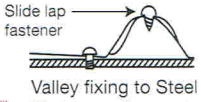
End and Internal Supports



Crest fixing to Steel or Timber roofing and walling (shown to Timber)

**Valley Fastener Location**
(Recommended for roofing)

End and Internal Supports




Valley fixing to Steel or Timber roofing and walling (shown to Steel)

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DMI BUILDING PRODUCTS

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