

# HYDRA Roof Underlay Installation Guide

HYDRA Roof Underlay is a premium Tri-laminate, Synthetic, Fire Retardant, Absorbent, Breathable, Self-Supporting roof underlay. Suitable for all roofing types including concrete and clay tiles, pressed metal tiles and profiled metal roofing.

## GENERAL

- HYDRA can be exposed for up to 14 days
- Suitable for use on timber and steel framing
- Suitable for use on LOSP timber
- Lightweight
- Suitable on roof pitches 3° and greater
- GripSpot™ Slip Resistant top Surface
- High strength

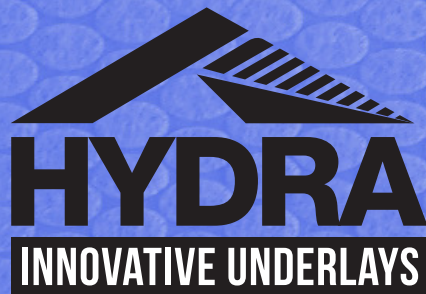
## INSTALLATION

- For all roofing types HYDRA must be:
- Secured adequately with 8 – 12mm staples
- 20mm Flat head clouts or appropriate
- Proprietary fastenings
- Fixings at no greater than 300mm centres
- HYDRA must be laid taut without any creases, tears or punctures
- Can be used in wind zones as per NZS3604
- Must be supported at spans greater than 1200mm
- Not be exposed for more than 14 days
- Lapped at 150mm on sides
- End laps must be made on a purlin or rafter and be no less than 200mm
- Horizontally fixed underlay must not be on purlins greater than 1100mm
- Not suitable on roof pitches less than 3°



Roof Pitch	Span	Roof Underlay Required?	
		Horizontally Installed	Vertically Installed
Less than 10° (Minimum 3°)	>1200mm	Yes	Yes
	≤ 1200mm	No	Yes
10° or more	>1200mm	Yes	Yes
	≤ 1200mm	No	No





**LONG-RUN METAL ROOFING/ VERTICAL OR HORIZONTAL INSTALLATION METHOD**

HYDRA may be run from ridge to gutter with no maximum run length. Where ridge ventilation is required HYDRA must be terminated at the ridge purlin to permit the free passage of air.

**CONCRETE / METAL TILE ROOFING**

HYDRA must be laid over the rafters prior to the fixing of the tile battens. The maximum span between rafters is 1200mm. Masonry tile roofs with pitches <math><17^\circ</math> must have anti-ponding boards in accordance with E2/AS1 8.2.5 & figure 25. HYDRA to be laid over anti-ponding boards and draped into the gutter by no greater than 20mm

**CONSIDERATIONS**

HYDRA is to be installed in accordance with the HYDRA Installation Guidelines. NZBC Acceptable Solutions E2/AS1 para 8.0 – 8.4. NZMRM Roof and Wall Cladding Code of Practice. Metal Roof / Tile Manufacturers specifications.

HYDRA is to be installed under the direct supervision of a Licensed Building Practitioner or suitably qualified roofer.

HYDRA must not be left exposed to direct sunlight or UV light during its serviceable life. HYDRA should be stored on end, under cover out of direct sunlight in a dry environment.

Be aware where support is required this maybe in the form of strapping, mesh or safety mesh. Contact Marshall Innovations for options.

If required to seal a lap in HYDRA use SUPER-STICK Building Tape.

HYDRA will provide temporary weather protection during construction (maximum 14 days) however same day coverage is recommended.

Flue penetrations must have a minimum distance of 50mm from HYDRA roof underlay as per NZ Metal Roof & Wall Cladding Code of Practice 10.11.5

Special attention is required when designing Skillion roofs or anywhere the accumulation of condensation presents an issue.

HYDRA is not suitable on membrane roofs.



Product Code	Width (mm)	Length (mm)	Area (m <sup>2</sup> )
HYRO25	1250	20	25
HYRO50	1250	40	50

