

RHINO BATTS NO ADDED FORMALDEHYDE FOR THERMAL APPLICATIONS



SPECIFICATION NOTES

When specifying state the following:

- Product name - **Rhino Batts NAF***
- Material R-value required
- Joist or stud spacing
- Area involved.

* NAF = No Added Formaldehyde

PRODUCT DESCRIPTION

Rhino Batts NAF, the no added formaldehyde range of glass mineral wool insulation, employs an exciting new binder that is free of formaldehyde, phenol or any other artificial chemicals. Once installed, **Rhino Batts NAF** acts as a highly effective barrier to heat flow, keeping your building cool during hot weather. It combines cost efficiency with the highest standard of insulation performance when installed in either wood, cement board or steel stud partition and in ceiling system applications.

NO ADDED FORMALDEHYDE

Formaldehyde has traditionally been used as part of the binder in glass mineral wool insulation. Although there is no health risk with the traditional product, formaldehyde at higher levels may cause irritation and sensitivity. **Rhino Batts NAF** no added formaldehyde insulation utilizes an innovative new binder that eliminates binder-related formaldehyde emissions during manufacturing. The no added formaldehyde insulation product was tested in Air Quality Services and the product emission for formaldehyde & VOCs passed the GREENGUARD Children & Schools Criteria.

PHYSICAL CHARACTERISTICS

Application focused, **Rhino Batts NAF** is designed specifically for press-fit installation without the need for stapling or fastening. It can be fitted between timber or steel studs in a wall cavity and ceiling system applications. They resist vibration or shakedown and fit readily around uneven surfaces.

Product Code	R-Value (m ² k/w)	Thickness (mm)	Batt size (mm)	Batts/pack	Area/pack (m ²)	Coverage /pack (m ²)
Wall Batts						
RBatt-R1.5-430-NAF	1.5	75	1160 x 430	25	12.5	13.8
RBatt-R1.5-580-NAF			1160 x 580	25	16.8	18.7
RBatt-R2.0-430-NAF	2.0	90	1160 x 430	21	10.5	11.6
RBatt-R2.0-580-NAF			1160 x 580	21	14.1	15.7
RBatt-R2.0HD-430-NAF	2.0HD*	75	1160 x 430	20	10.0	11.1
RBatt-R2.0HD-580-NAF			1160 x 580	14	9.4	10.4
RBatt-R2.5-HD430-NAF	2.5HD*	90	1160 x 430	11	5.5	6.1
RBatt-R2.5-HD580-NAF			1160 x 580	11	7.4	8.2
RBatt-R2.7-HD430-NAF	2.7HD*	90	1160 x 430	8	4.0	4.4
RBatt-R2.7-HD580-NAF			1160 x 580	7	4.7	5.2
Ceiling Batts						
RBatt-R2.5-430-NAF	2.5	120	1160 x 430	19	9.5	10.5
RBatt-R2.5-580-NAF			1160 x 580	19	12.8	14.2
RBatt-R3.0-430-NAF	3.0	140	1160 x 430	19	9.5	10.5
RBatt-R3.0-580-NAF			1160 x 580	15	10.1	11.2
RBatt-R3.5-430-NAF	3.5	165	1160 x 430	14	7.0	7.7
RBatt-R3.5-580-NAF			1160 x 580	12	8.1	8.9
RBatt-R4.1-430-NAF	4.1	195	1160 x 430	12	6.0	6.6
RBatt-R4.1-580-NAF			1160 x 580	10	6.7	7.5
RBatt-R5.0-430-NAF	5.0	236	1160 x 430	8	4.0	4.4
RBatt-R5.0-580-NAF			1160 x 580	8	5.4	5.9
RBatt-R6.0-430-NAF	6.0	278	1160 x 430	6	3.0	3.3
RBatt-R6.0-580-NAF			1160 x 580	6	4.0	4.5

Packs per Masterbag: 8

- (HD= High Density)

IMPROVES INDOOR AIR QUALITY

Improves Indoor Air Quality. Formaldehyde free binder reduces the overall formaldehyde exposure. No added formaldehyde insulation means a better smelling indoor environment and less formaldehyde in the air.

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THE ULTIMATE PROTECTION

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ENERGY
EFFICIENT



SUSTAINABLE
PRODUCT



LIGHT
WEIGHT

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SUSTAINABLE PRODUCT

Satisfying the growing indoor air quality (IAQ) needs, uses no ozone depleting products (ODP) in manufacture and has low volatile organic compounds (VOCs) content.

MOISTURE ABSORPTION

In the event of **Rhino Batts NAF** becoming wet, the insulation must be dried prior to installation to obtain maximum performance and prevent damage to other building elements. **Rhino Batts NAF** absorb less than 0.2% moisture by volume when exposed to environmental conditions of 50°C at 95% relative humidity for four days.

AS1530.1 TEST FOR COMBUSTIBILITY OF MATERIALS

Testing conducted by CSIRO in accordance with AS1530 Part 1 concluded that the glasswool in **RHINO Batts NAF** insulation are non-combustible. The Building Code of Australia (BCA) deemed to satisfy provisions require walls important to the structural integrity of commercial buildings to be constructed wholly of materials that are non-combustible. Fire rated (FRL) walls between tenancies and common walls of multi-level apartment buildings also must be constructed wholly of materials that are non-combustible. The BCA states that if materials used in an assembly contain combustible components, then the assembly is combustible. Incorporating non-combustible **RHINO Batts NAF** insulation into wall systems allows builders to gain acoustic and thermal benefits while still complying with the BCA requirement to maintain structural integrity and for minimising risk to occupants from smoke inhalation and fire in Class 2 to 9 buildings.

ALKALINITY

Chemically inert. Will not cause or accelerate corrosion of steel, stainless steel, copper or aluminum due to its specifically inorganic and mineral composition.

MAXIMUM SERVICE TEMPERATURE

Rhino Batts NAF have a maximum service temperature of 340°C.

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