

# HUME PINE FORMPLY

# BUILDERS GUIDE

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Formply is used to create temporary molds used to form concrete into structural members (beams, columns, slabs etc). Depending on the surface of the formply, it can also impart a decorative finish to the surface.

Hume Pine (NZ) Ltd (Hume Pine) supplies non-structural grade plywood, film-faced and textured (black), 2440 x 1220 x 18 mm sheets for use in formwork.

Hume Pine Formply is manufactured from Radiata Pine with a hardwood core. It is untreated, with face grade HDO face/ HDO back. The manufacture is third-party certified and in accordance with its certification, the plywood has a WPB bond and meets the requirements of Super E<sub>0</sub> in respect of formaldehyde emissions.

## HUME PINE FORMPLY APPLICATIONS

Plywood formply is flexible, durable and strong. It does not warp or shrink and can be easily cut, drilled and shaped into complex shapes.

Hume Pine formply is particularly suitable for use in,

- building foundations and walls,
- structural and architectural elements such as beams, columns and slabs,
- creating complex shapes, and
- creating a fair-face finish.

## GETTING THE MOST FROM HUME PINE FORMPLY

Hume Pine Formply is more than a 'single-use' building product. Given good storage and after-use care & maintenance, it may be used multiple times.

Hume Pine after-use care tips.

- Use a proprietary release agent and follow the advice of the supplier. For instance, too much release agent can cause runs or discolouration in the concrete.
- Clean both sides and all edges of the formply immediately after each use. Dislodge hardened concrete with a stiff brush or PVC scraper, otherwise only a soft absorbent cloth with cold water is needed. Avoid using a wire brush or metal scraper as this can damage the surface of the film.
- Store the sheets flat, under-cover and in a well-ventilated area. The stacked sheets should be supported in at least three areas. Vertical storage could damage the straightness of the panel.

## INSTALLING FORMPLY

### Keep safe

Follow simple health and safety practices,

- create a safe working environment - be organised, and tidy,
- follow all instructions when using tool,
- make sure that the tools are regularly serviced,
- work in a well-ventilated area,
- use PPE equipment (including safety from falling harnesses, safety glasses and gloves).

More information can be found in [The Absolutely Essential Health and Safety Toolkit](#).

### Design and installation

Formwork is created on-site. It should be designed to support the vertical and horizontal loads which are imposed on it whilst it is being erected, during concreting and after concreting whilst it is in position. Formwork should not deflect excessively, buckle, bulge or otherwise move out of position.

For information on how to design and install, Hume Pine recommends the following resources.

[The New Zealand Guide to Concrete Construction, Ch 15.](#)

[AS 3610-1995 Formply for Concrete.](#)

[BRANZ Build 120 October/November 2010 Formwork.](#)