DINCEL
STRUCTURAL WALLING

FOR WAREHOUSE & STORAGE FACILITIES

THE LOADBEARING WAREHOUSE WALL

THAT DOESN'T NEED A CRANE.



MONOLITHIC DINCEL WALLING, CAST IN PLACE, ESPECIALLY FOR WAREHOUSES ON TIGHT, SLOPING OR INFILL SITES WHERE TILT-UP ISN'T FEASIBLE. NO PRECAST PRODUCTION QUEUE, SO YOU START SOONER, FINISH SOONER AND GET RENT FLOWING SOONER.

ONE COMPLIANT WALL SYSTEM

Structure, fire, weatherproofing and durability, cast in place.

WHAT MAKES DINCEL DIFFERENT?

Most warehouse shells go up in one of two ways: precast tilt-up, which waits on shop drawings, a casting slot and a crane booking, and struggles on tight sites; or steel portal and cladding, which dents and may offer little fire separation. Dincel replaces either with a single cast-in-place wall.

1 SHORTER LEAD TIME, SOONER TO RENT.

No precast queue and no crane booking to wait on. Cast in place with 13 kg single-person panels (200mm Dincel). This is permanent formwork, nothing to strip, installed at up to 25 m²/hr. Build where a tilt-up crane can't go, on your schedule, not the production plant's. A shorter programme means earlier practical completion and less holding cost.

2 FIRE SEPARATION BUILT INTO THE WALL.

FRL/FRP from 90/90/90 up to 240/240/240 (200 mm wall CSIRO-tested; other ratings calculated to AS 3600). Compliant boundary and tenancy fire walls, with no separate fire-wall trade.

3 LASTS THE LIFE OF THE BUILDING.

A tough polymer shell delivers a 120+ year design life with no concrete cancer.

- CODEMARK (CERTIFICATE - CM20242)
- FIRE TESTED TO AS 1530.4
- CONCRETE INFILL ENGINEERED TO AS 3600
- AUSTRALIAN INVENTED, OWNED & MANUFACTURED
- CSIRO-TESTED WATERPROOFING

HOW THE SYSTEM WORKS

Dincel is a permanent polymer formwork. Panels snap together on site. Reinforcement is placed within, and concrete is poured in place. The form remains in place, providing a tough, sealed finish. One wall delivers the structure, the fire rating and the finish, with no stripping and no separate trades.



WHERE IT'S USED

- Boundary and tenancy fire-separation walls
- Loadbearing external walls
- Dado and lower walls
- Fire compartment walls between tenancies
- Office and amenity walls within the shed
- Retaining and below-ground walls on sloping sites

WHY DINCEL INSTEAD OF...

PRECAST TILT-UP

- No production lead time or craneage
- Monolithic, no vertical panel joints to seal
- Built-in durable skin

STEEL PORTAL AND CLADDING

- Compliant fire separation
- Washdown durability
- Structure and fire in one wall, fewer trades
- Solid, secure and robust







WHAT'S IN IT FOR YOU

BUILDERS

Cast in place with fewer trades: no crane, no panel logistics, on your programme, not the plant's.

ESTIMATORS & QS

Labour-light, programme-certain, mix-independent.

DEVELOPERS

No precast queue and a shorter programme, so you reach practical completion sooner, start rent sooner and carry less holding cost. Build where tilt-up can't.

OWNERS

120+ year life, no concrete cancer, tough.

ENGINEERS

Concrete infill can be engineered to AS 3600, verified by the University of New South Wales and by the University of Technology Sydney.

CERTIFIERS

Codemark Certified (CM20242), evidence you can rely on for the provisions it covers, with fire evidence in hand.

SUPPORTED BY DINCEL INSTALLATION SUPPORT MANAGERS AND A NETWORK OF TRAINED INSTALLERS.

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