

The NEW Danley™ PD3™ 20mm sets sail at Martha Cove...

Situated at the base of Mount Martha on the stunning eastern shores of Port Phillip Bay, Martha Cove is a unique waterfront residential community comprising of architecturally designed homes, parks, walkways, cycle-ways and an integrated boat harbour.



An iconic destination, Martha Cove is in close proximity to stunning beaches, outstanding cafes, restaurants, wineries, National Parks and many of Victoria's finest golf courses. With approximately 17 hectares of waterways which lead directly into Port Phillip Bay, Martha Cove provides a safe and sheltered harbour environment. Scheduled for completion in the summer of 2018, the first stage of Martha Cove's state-of-the-art boatyard will boast a range of services for boating enthusiasts including trailer storage, travel lift haul out, hard stand, work arm, DIY maintenance, project management and will offer full service vessel maintenance.

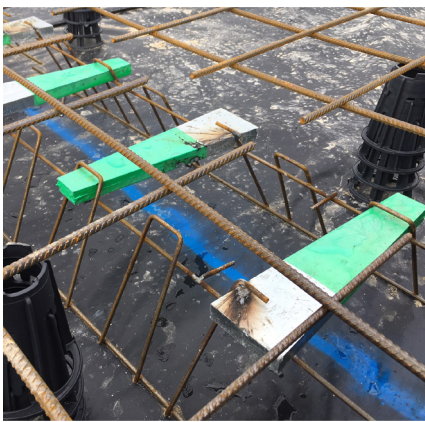
At the heart of the Martha Cove Boatyard is the 3,000m2 hardstand area. This concrete deck will be the future home to a myriad of vehicles and vessels including jet-skis, trailers, motor-homes and of course, water craft measuring up to 80ft in length, and weighing over 70 tonnes. Paul Watters, Senior Structural Engineer at Webber Design Pty Ltd explains, that "with short and long term storage leases on offer at the boatyard, the hardstand area needs to accommodate a high level of vehicular traffic carrying loads in excess of 70T. With this in mind, we set about finding a suitable joint management solution". Webber's first port of call was to the Flooring & Pavement team at ramsetreid.

"The team at ramsetreid® provided us with the innovative solution of a galvanised 20mm Danley™ PD3 Plate Dowel cradle for the saw-cut joints on our 300mm slab, along with the design capacities and technical data we required to finalise the design".

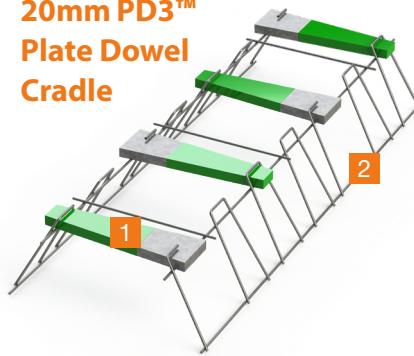
Continued >

Project Information

Project:	Martha Cove Boatyard Hardstand (Stage 1)
Location:	Safety Beach, VIC
Project Size:	3,000m2
Developer:	Balmain Asset Management
Specifiers:	Webber Design
Builder:	Xerri Group Pty Ltd
Contractor:	Anglo Italian Concrete
Distributor:	Lee Supplies
Finish Date:	October, 2018
Products Used:	PD3™Plate Dowel Cradles – 20mm PD3™Plate Dowel Cradles – 6mm Diamond™ Dowel



20mm PD3™ Plate Dowel Cradle



(1) The tapered 20mm PD3™ plate dowels allow for lateral movement eliminating the need for a plastic dowel sleeve.

(2) The wire cage (cradle) acts as a chair and spacer to ensure the dowels are aligned and maintained at the correct height and spacing during the pouring of the slab, in turn improving the speed and efficiency of installation.

So, why a Danley™ 20mm PD3™ Plate Dowel Cradle?

The 20mm PD3™ Plate Dowel Cradle is specifically designed for heavy duty industrial floor and pavement applications, such as:

- **Port facilities: Container terminals, storage and handling.**
- **Freight and transport logistic facilities.**
- **Heavy rail and intermodal facilities.**
- **Bulk grain and general dry bulk facilities.**
- **Airports, hangers and runways.**

The 20mm PD3™ provides a total contraction joint system solution by incorporating two systems in the one solution (refer to the PD3™ 20mm diagram above). The unique tapered and sleeveless PD3™ dowels provide for lateral movement whilst the direct concrete-to-steel contact ensures the best possible control of deflection under load, minimising the risk of joint spalling.

The PD3™ is engineered to meet the Super Flat Floor (SFF) requirements to ACI 360-R10.

The collaborative approach between the key stakeholders in the specification and installation of this innovative joint management solution ensured it was all smooth sailing for the 20mm PD3™ at Martha Cove.

To learn more about Danley products [click here](#).

