

ASPROS

RE: Danterr extruded fibre reinforced concrete spacers and bar chairs

Danterr fibre reinforced concrete spacers and bar chairs are manufactured in an off-site factory and thus can be deemed to be precast elements and should therefore conform to the relevant specification requirements. The durability requirements for any precast concrete element are given in Table B80.6 of the ROADS AND MARITIME SERVICES (RMS), QA SPECIFICATION B80, CONCRETE WORK FOR BRIDGES.

The requirements for Class C are as follows:

1. W/c ratio between 0.28 and 0.40
2. Compressive strength = 60 mPa
3. Maximum chloride test coefficient tested to NT Build 443 of $2.0 \times 10^{-12} \text{m}^2/\text{sec}$

Clause 6.7.2 of RMS Spec B80 requires that concrete aspros have a sorptivity of the concrete that conforms to this Specification. This clause further states that "cementitious and fibre reinforced cementitious spacers must have sharp corners and a minimum footprint flush on the formed surface and may only be used for precast and cast-in-place concrete members located in exposure classifications A, B1 or B2 where a Class 1, 2 or 2X surface finish is specified, and for enclosed internal surfaces not exposed to view."

Danterr fibre reinforced spacers and bar chairs have the following properties:

1. W/c ratio of approximately 0.31
2. Compressive strength > 65mPa
3. Maximum chloride test coefficient tested to NT Build 443 of $0.77 \times 10^{-12} \text{m}^2/\text{sec}$ A copy of the NT Build test certificate is attached.

The clause above does not include fibre reinforced cementitious spacers for use under Class C exposure conditions. However, these types of spacers clearly conform to the strength and durability requirements of the specification.

HEAD OFFICE

3 Sedgemoor Court,
Warrnambool VIC 3280
PO Box 663,
Warrnambool VIC 3280