

PVC-based
Permanent formwork
Lightweight, load-bearing

Ideal for basements, columns, blade & party walls,
lift & stair cores, retention tanks, retaining walls
and landscaping

PVC-based permanent formwork walling system for above and below-ground application



Industry-leading range: 110mm, 156mm, 200mm, 256mm, 275mm and 300mm widths

Six widths, one system: versatility for most internal and external walling, columns & pits

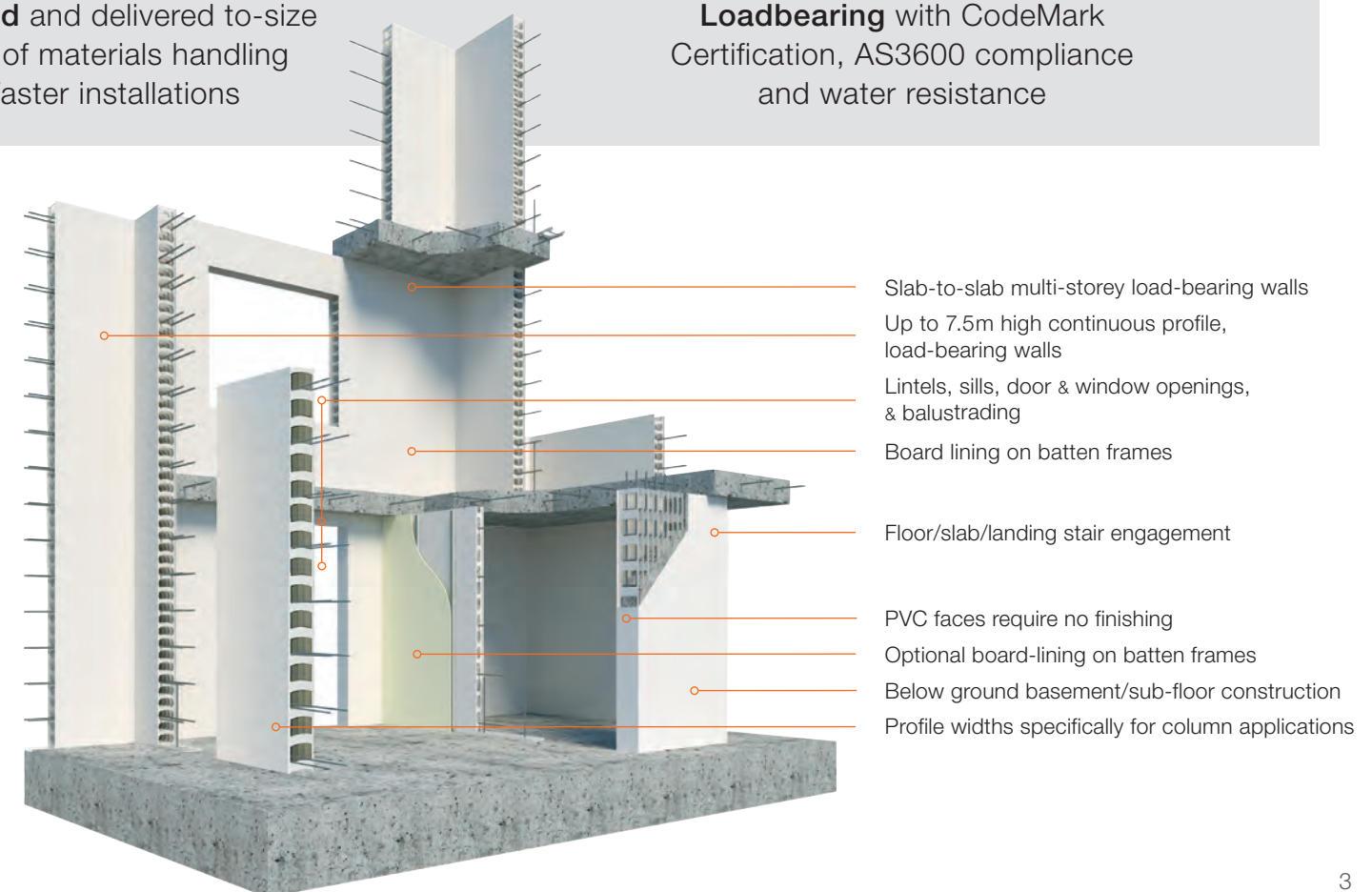
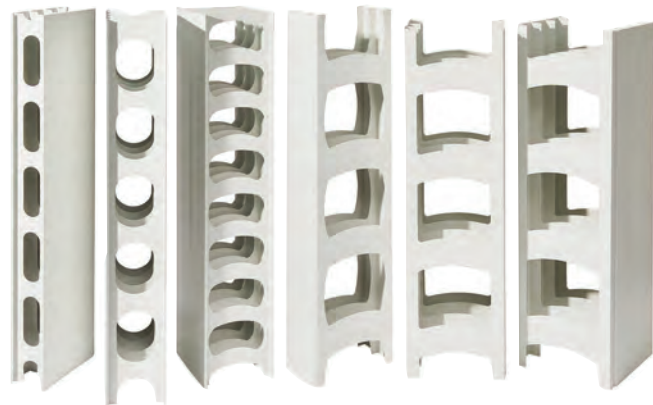
PVC-based and delivered to-size for ease of materials handling and faster installations

Loadbearing with CodeMark Certification, AS3600 compliance and water resistance

AFS Rediwall® is a PVC permanent formwork system and a time-saving alternative to conventional masonry and blockwork. Its precision-extruded components easily interconnect for rapid installation and there is no specialised training needed.

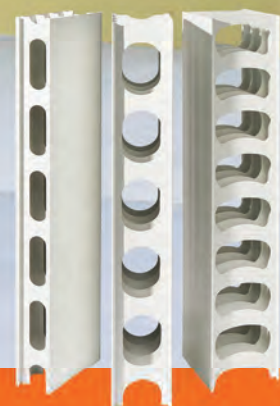
CodeMark Certified and AS3600-compliant, rediwall® is load bearing for multi-level structures. It presents a consistently even, water-resistant and durable surface that often doesn't require any finishing.

Offered in six profile widths, the rediwall® range solves above and below ground walling needs, including: basements, columns, party walls, lift/stair cores, retention tanks, retaining and landscaping walls.



One system provides the complete above and below ground walling solution

Basements, columns, blade and party walls, lift & stair cores, retention tanks, service and stormwater pits, retaining and landscaping walls



110mm, 156mm, 200mm Speedy-Snap-In™ panels with 90° Ezy-Fit™ removable corners — and the ease of 256mm, 275mm, 300mm slide-together panels

SYSTEM BENEFITS

Why **architects** prefer rediwall®

- System maximises saleable floor space for clients
- CodeMark Certified, AS3600 compliant and water resistant
- Choice of six profile widths and comprehensive catalogue of components — one system, one solution
- Panels provide a superior, semi-gloss surface with option for further finishing

Why **engineers** prefer rediwall®

- Simple reinforcement — single and double
- Full width concrete core thickness
- Simple robust bracing methodology
- Quick reinforcement inspection with Ezy-Fit™ removable corners
- Large holes for optimum concrete placement

Why **builders** prefer rediwall®

- Significantly quicker floor-cycles, can save days even weeks compared to conventional masonry and blockwork
- No cramage necessary
- Significantly less waste and mess than blockwork
- Most economical alternative to a conventional shoring wall available
- Fewer trades needed and sites are kept cleaner and more efficient
- Panels provide a superior, semi-gloss surface with the option for further finishing

Why **installers** prefer rediwall®

- Panels can be delivered cut-to-size or easily cut down for late changes
- Reinforcement is simple and fast to install and inspect
- Panels can clip or slide together, allowing speed of installation
- Installation is simple to learn and onsite training is available through AFS.

Speed of construction



Ease of materials handling



Above and below ground versatility



Speedy-Snap-In™ panels lock together instantly



Ezy-Fit™ corner panels slide open for access



CodeMark Certified, compliance assured



AS3600 Compliant



Water resistant



Significant waste reduction



Industry-leading innovation for fast, trouble-free installation

The extruded PVC components simply snap or slide readily into place. Assembly is rapid and the resulting wall surface is clean and even.



SYSTEM OVERVIEW

RW110

Speedy-Snap-In™

Lengths: 2.8m, 3.0m, 3.2m, 3.6m

Accessories:
Ezy-Fit™ Corner, H-Joiner,
T-Joiner, Floor Track,
End Cap, FC Strip



RW156

Speedy-Snap-In™

Lengths: 2.8m, 3.0m, 3.2m, 3.6m

Accessories:
Ezy-Fit™ Corner, H-Joiner, T-Joiner,
J-Track, F/F Joiner, Floor Track,
End Cap, FC Strip, 115mm Spacer

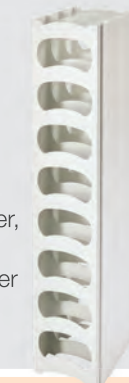


RW200

Speedy-Snap-In™

Lengths: 2.8m, 3.0m, 3.2m, 3.6m

Accessories:
Ezy-Fit™ Corner, H-Joiner, T-Joiner,
J-Track, F/F Joiner, Floor Track,
End Cap, FC Strip, 115mm Spacer



RW256

Slide in

Lengths: 2.8m, 3.0m, 3.2m, 3.6m

Accessories:
End Cap, QuickCap™ End Cap,
F/F Joiner, Floor Track, FC Strip



RW275

Slide in

Lengths: 2.8m, 3.0m, 3.2m, 3.6m

Accessories:
End Cap, F/F Joiner, FC Strip



RW300

Slide in

Lengths: 2.8m, 3.0m, 3.2m, 3.6m

Accessories:
End Cap, F/F Joiner, FC Strip



Wall Type	RW110 Snap-In	RW156 Snap-In	RW200 Snap-In	RW256 Slide-In	RW275 Slide-In	RW300 Slide-In
Wall Thickness	105mm	150mm	194mm	250mm	269mm	294mm
Filled Wall Mass (kg/m ²)	252	360	466	600	646	706
Application	Party walls		Basements, party and blade walls, retaining walls and retention tanks, service and stormwater pits		Basements, party and blade walls, columns, retaining walls	
Acoustic Rating (Rw) Rw + Ctr	50 45	56 50	58 53	61 54	(>60) >55	(>60) >55
Max Fire Resistance Level (based on CSIRO testing)	90/90/90 (N [*] _f <152 kN/m, H _{WU} <2700) ^{##}	240/240/240 (N [*] _f <333 kN/m, H _{WU} <3000) ^{##}	240/240/180 (N [*] _f /ØN _U =0.53) [#]	240/240/240 (N [*] _f /ØN _U =0.54) [#]	240/240/240 (N [*] _f /ØN _U =0.69) [#]	240/240/240 (N [*] _f /ØN _U =0.70) [#]
Design Axial Capacities [#] (kN/m)	315	450	2015	2731	2968	3277

Based on AS3600-2018 with H_{wu}=3000, f_c=32 Mpa UNO
Based on CSIRO Fire Test Report Number FSV1704, SGA Evidence of Suitability Report 2013/277.65 R1.2
#2 2 layers of reinforcement

Ezy-Fit™ 90° Corner with removable cover is an industry-first

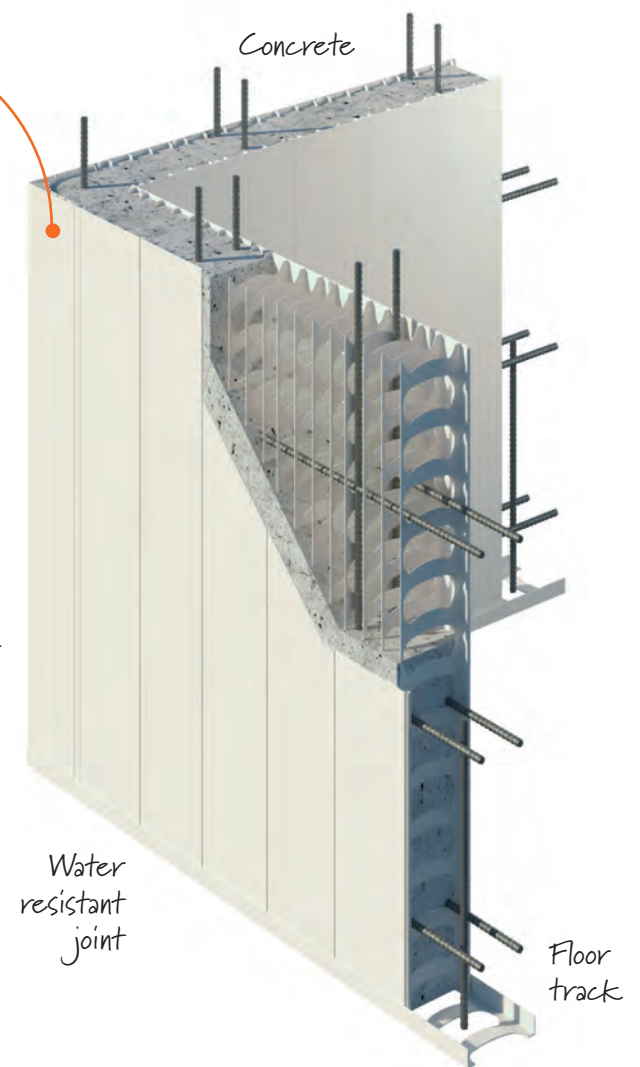
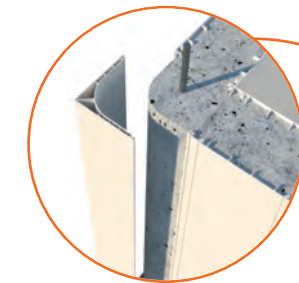
Ingenious corner covers
slide up and down for
easy placement of
reinforcement and
inspection prior
to core filling

A C C E S S O R I E S

Revolutionary Ezy-Fit™

Open-back corner gives unobstructed access
for trouble-free installation of reinforcement bars.

Certifying engineers simply remove the cap to
approve placement prior to pouring concrete—
that's not possible with conventional systems.



Industry-first: Ezy-Fit™ Corners

The outer cover effortlessly slides up for
trouble-free access to reinforcement.
With everything in place, it simply slides
back to allow core filling.



Corner
panel

Outer cover
slides up for
access

Water
resistant
joint

Floor
track

Comprehensive walling system

The rediwall® system offers an exhaustive range
of accessories—specific to each profile width—

including everything you need to make curved
and straight walls, above or below ground.



Corners



H-Joiners



T-Joiners



J-Track



115 Spacers



End Caps

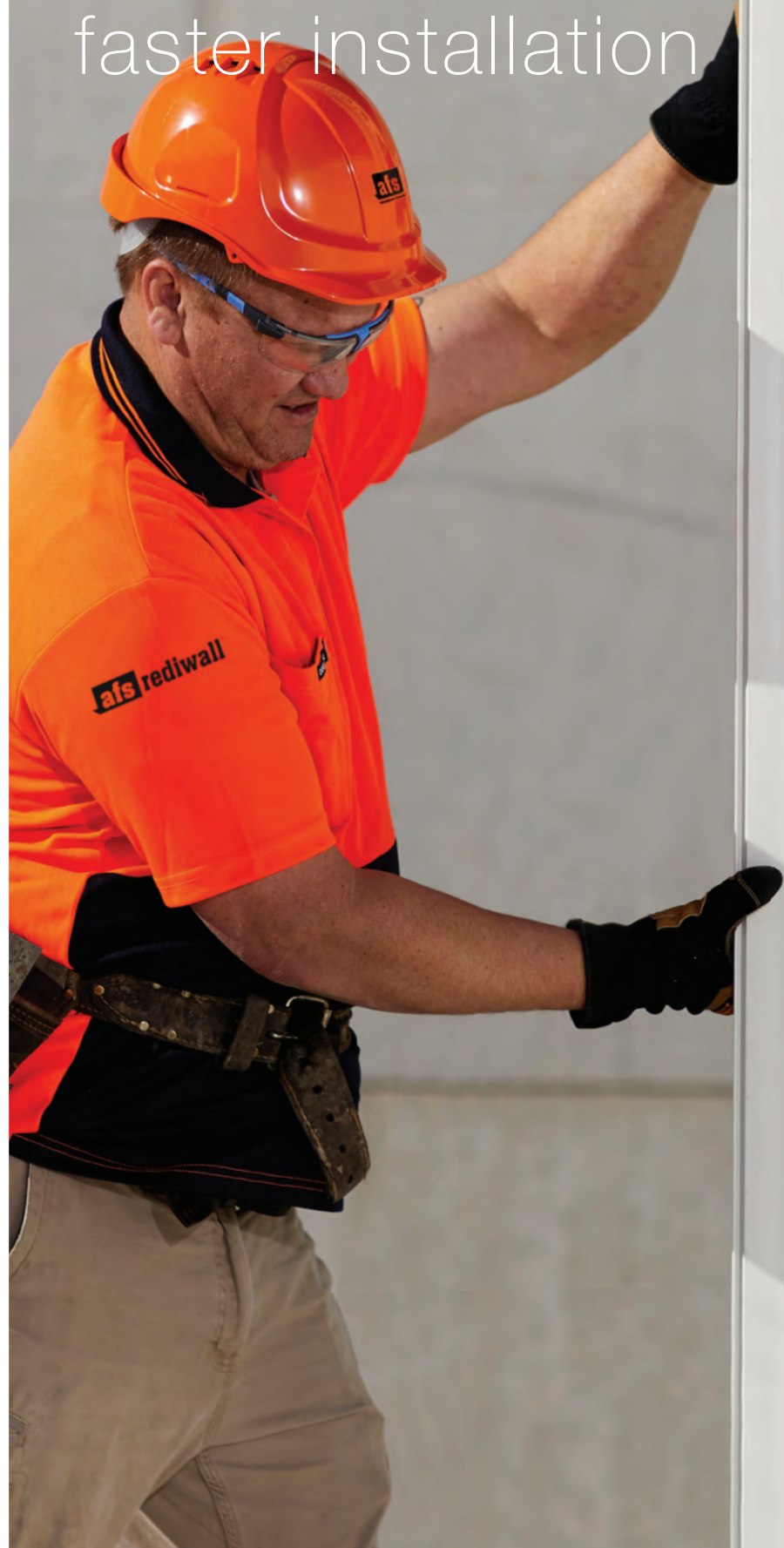


Floor Track



To learn more visit
afstformwork.com.au

Patented Speedy-Snap-In™ system ensures easier, faster installation



Snap, brace, pour

110mm, 156mm and 200mm PVC-based panels simply snap-in together, while the 256mm, 275mm and 300mm profiles utilise a slide-together action.

Regardless of the interlocking mechanism, rediwall® panels can be quickly installed and braced for core-filling, without specialised training or trades.



1 Lightweight panels make for easier materials handling



2 Panels effortlessly interlock with snap-in or slide-together mechanisms



3 And simply slide down to seat into the floor tracking and form a wall



4 Bracing



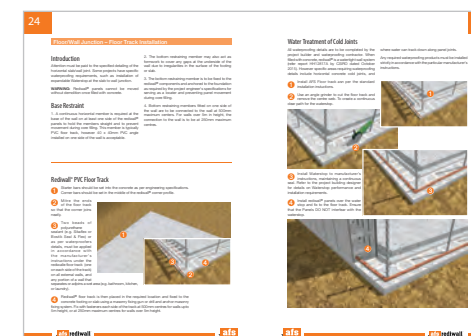
5 Reinforcement placement



6 Core filling

I N S T A L L A T I O N G U I D E
A N D A F T E R - S A L E S S E R V I C E

Dedicated project co-ordinators and on site training & assistance



By design the afs rediwall® system can be installed with little or no training, using the assistance of our Installation Guide.

Additionally, our after-sales service team offers customers hands-on assistance on-site. Or you can choose an AFS-recommended installer.

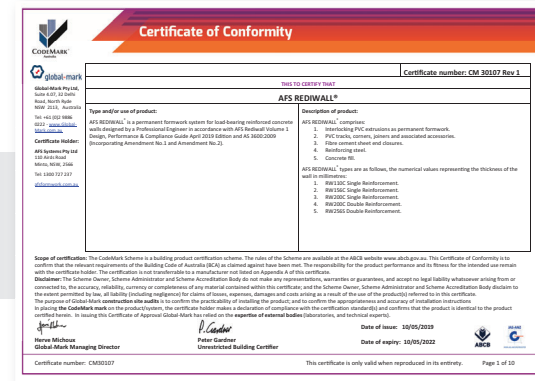


Lightweight panels provide load bearing walling solutions for any commercial or residential project

COMPLIANCE & CERTIFICATION

CodeMark Certified, AS3600 compliant and CSIRO-certified for fire compliance and resistance to water penetration

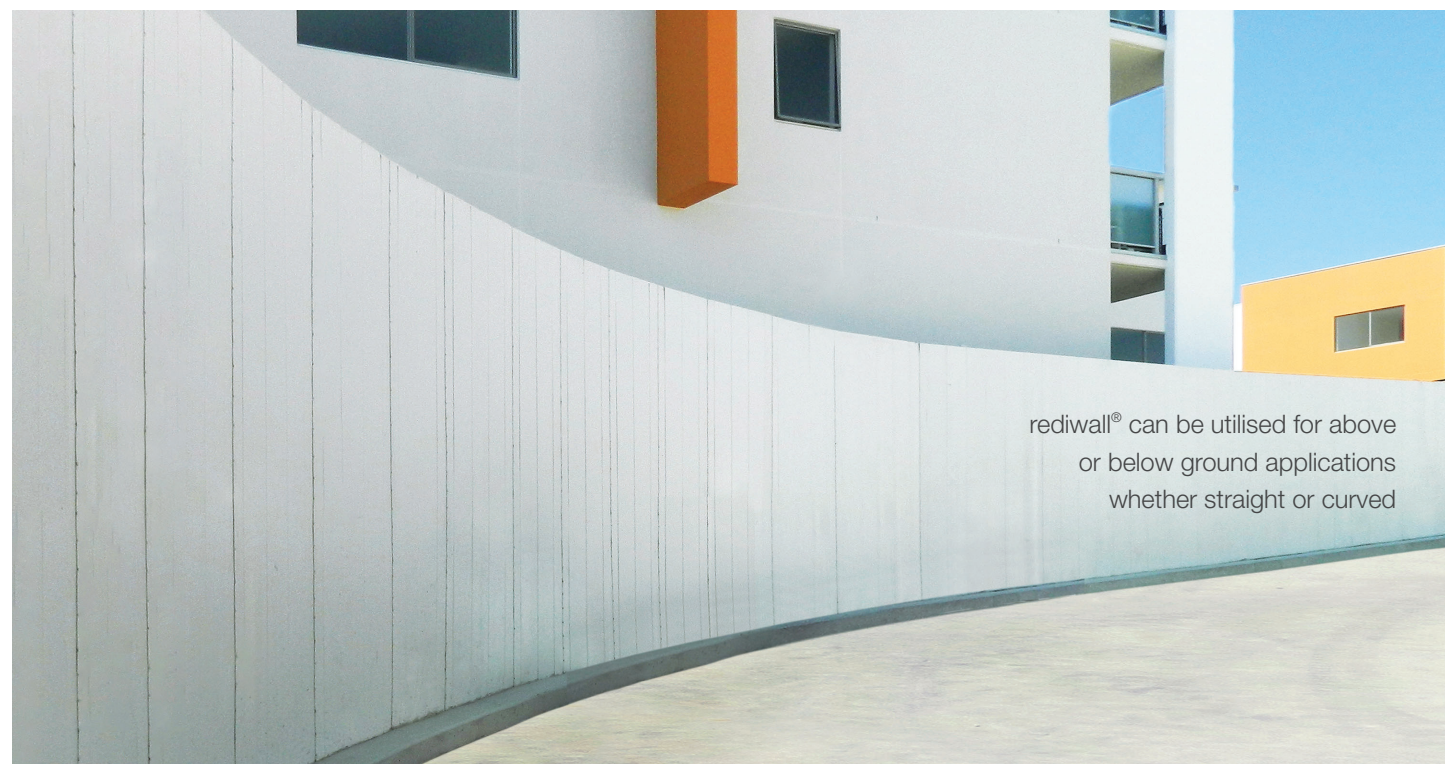
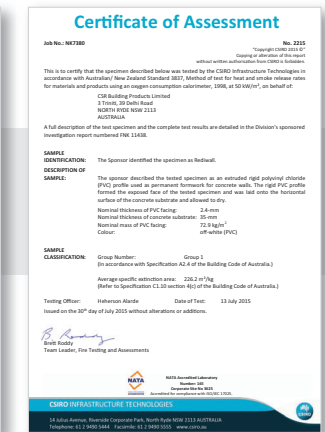
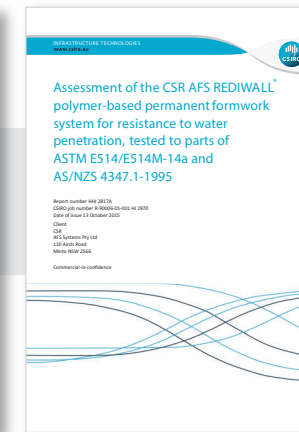
For peace of mind afs rediwall® is CodeMark Certified reinforcing that it complies with the National Construction Code (NCC) confirming its suitability for use in the design of a concrete structure.



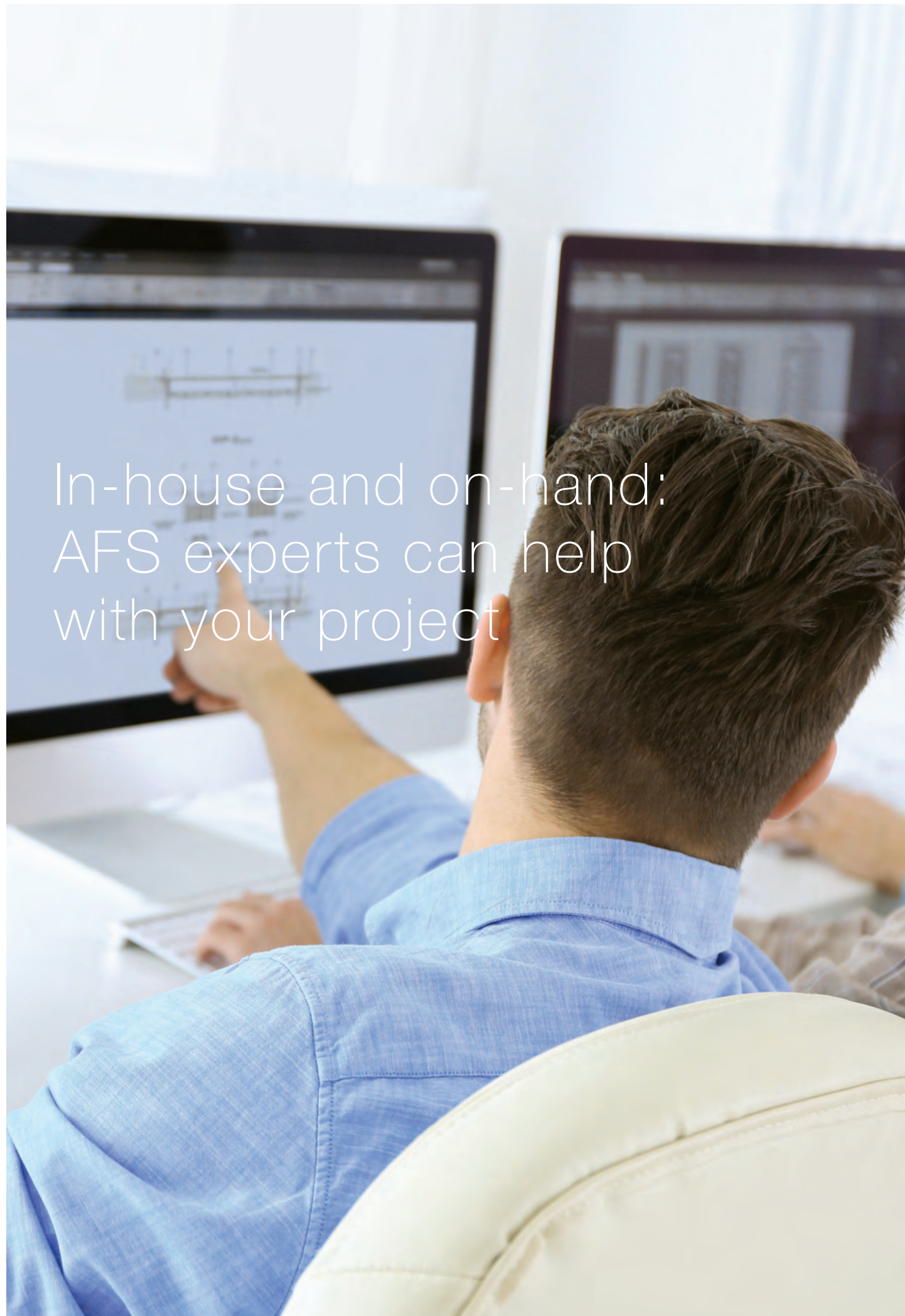
CodeMark Certified



CSIRO Certified



rediwall® can be utilised for above or below ground applications whether straight or curved

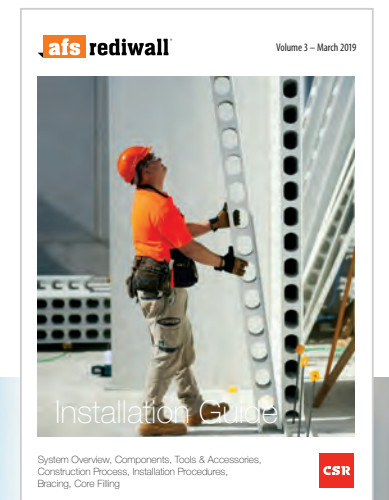
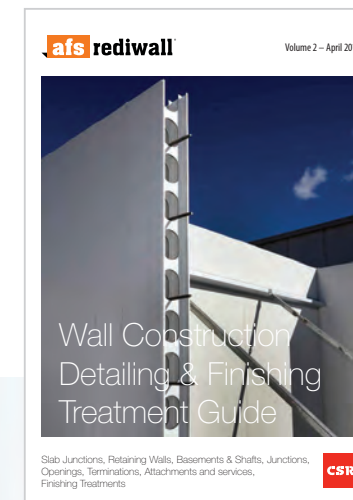


In-house and on-hand:
AFS experts can help
with your project

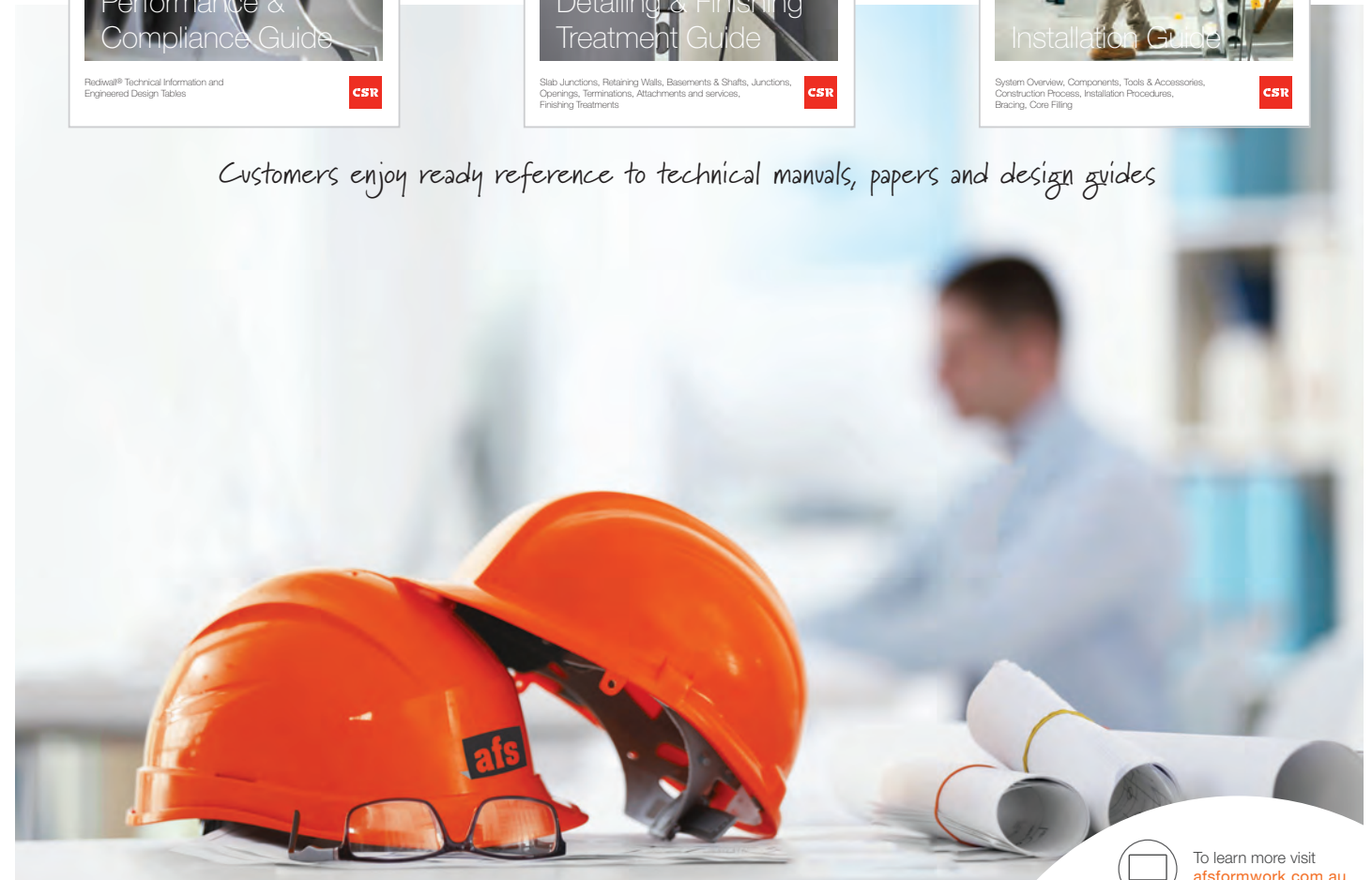
OUR DESIGN TOOLBOX & GUIDES

AFS offers architects, engineers and builders a wealth of technical reference and in-house engineering, drafting and estimating expertise.

This ensures a customer can get the best advice on a project at concept design or when plans are available. Building professionals enjoy how easy the AFS website makes it to upload plans for assessment and estimation.



Customers enjoy ready reference to technical manuals, papers and design guides



PVC-based permanent formwork for basements, columns, blade & party walls, lift & stair cores, retaining walls and retention tanks



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RED00041JUN19

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