

EPCON™ G5™ PRO - Physical Properties

Date: October 2021

Physical Properties of Ramset™ Epcon™ G5™ PRO (EG5P600) have been tested with the following results:

Physical Properties

Property		Value	Unit	Test Standard
Density		1.5	g/cm ³	ASTM D 1875 @ +20°C
Compressive Strength	24 hrs	90	N/mm ²	ASTM D 695 @ +20°C
	7 days	100		
Tensile Strength	24 hrs	25	N/mm ²	ASTM D 638 @ +20°C
	7 days	27		
Elongation at Break	24 hrs	6.6	%	ASTM D 638 @ +20°C
	7 days	5.7		
Tensile Modulus	24 hrs	6.7	GN/m ²	ASTM D 638 @ +20°C
	7 days	8.0		
Flexural Strength	24 hrs	45	N/mm ²	ASTM D 790 @ +20°C
HDT	7 days	49	°C	ASTM D 648 @ +20°C
VOC		0	g/l	ASTM D 2369

Sincerely,



Andrew Rossiter
Ramset Product Manager



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FINAL REPORT

Report ID : 320541

Report Information

Submitting Organisation : 00109275 : RamsetReid
Account : 130255 : RamsetReid
AWQC Reference : 130255-2021-CSR-1 : Prod Test:
Project Reference : PT-4685
Product Designation : Epcon™ G5 PRO
Composition of Product : Two Component Epoxy based adhesive. (2 Parts Resin to 1 Part Hardener).
Product Manufacturer : RAMSETREID (A DIVISION OF ITW AUSTRALIA PTY LTD), Ramset Drv, Chimside Pk, VIC, AUS
Use of Product : In-Line/Bonded Injection Type Anchor.
Sample Selection: As provided by the submitting organisation.
Testing Requested : **AS/NZS 4020 TESTING OF PRODUCTS FOR USE IN CONTACT WITH DRINKING WATER**
Product Type : Composite
Samples : Samples were prepared and controlled as described in Appendix A of AS/NZS 4020:2018
Extracts : Extracts were prepared as described in Appendix/Clause C, D, E, F, H, 6.8.
Project Completion Date : 23-Sep-2021
Project Comment : Sample received on the 15-Jul-2021, testing commenced on the 20-Jul-2021.

PLEASE NOTE THAT THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL

THE RESULTS STATED IN THIS REPORT RELATE TO THE SAMPLE OF THE PRODUCT SUBMITTED FOR TESTING. ANY CHANGES IN THE MATERIAL FORMULATION, PROCESS OF MANUFACTURE, THE METHOD OF APPLICATION, OR THE SURFACE AREA-TO-VOLUME RATIO IN THE END USE, COULD AFFECT THE SUITABILITY OF THE PRODUCT FOR USE IN CONTACT WITH DRINKING WATER

Michael Glasson
APPROVED SIGNATORY



Corporate Accreditation No.1115
Chemical and Biological Testing
Accredited for compliance with ISO/IEC 17025





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European Technical Assessment **ETA 18/0675**
of 06/06/2021

Technical Assessment Body issuing the ETA: for Construction Prague	Technical and Test Institute
Trade name of the construction product	Chemset TM Reo502 TM EF Plus Epcon TM C6 EF Plus Epcon TM G5 PRO
Product family to which the construction product belongs	Product area code: 33 Bonded injection type anchor for use in cracked and uncracked concrete
Manufacturer	Ramsetreid A Division of ITW Australia Pty Ltd 1 Ramset Drive, Chirnside Park. Vic 3116 Australia
Manufacturing plant	Ramsetreid Plant
This European Technical Assessment contains	19 pages including 16 Annexes which form an integral part of this assessment.
This European Technical Assessment is issued in accordance with regulation (EU) No 305/2011, on the basis of	EAD 330499-01-0601 Bonded fasteners for use in concrete
This version replaces	ETA 18/0675 issued on 16/01/2020

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European Technical Assessment **ETA 20/0752**
of dd/mm/2021

Technical Assessment Body issuing the ETA: Technical and Test Institute for Construction Prague	
Trade name of the construction product	ChemSet™ Reo502™ EF Plus Epcon™ C6 EF Plus Epcon™ G5 PRO
Product family to which the construction product belongs	Product area code: 33 Post installed rebar connections with ChemSet™ Reo502™ EF Plus, Epcon™ C6 EF Plus, Epcon™ G5 PRO injection mortar
Manufacturer	Ramsetreid A Division of ITW Australia Pty Ltd 1 Ramset Drive, Chirnside Park. Vic 3116 Australia
Manufacturing plant	Ramsetreid Plant 3
This European Technical Assessment contains	16 pages including 13 Annexes which form an integral part of this assessment.
This European Technical Assessment is issued in accordance with regulation (EU) No 305/2011, on the basis of	EAD 330087-01-0601 Systems for post-installed rebar connections with mortar
This version replaces	ETA 20/0752 issued on 11/10/2020

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Job title: **Ramsetreid PIR ChemSet Reo502 EF Plus, Epccon C6 EF Plus, Epccon G5 PRO
Fire Analysis**

Report code: **259 - 2021- R01**

Report title: **Fire Evaluation of Post-installed rebar connections with Ramsetreid ChemSet
Reo502 EF Plus, Epccon C6 EF Plus, Epccon G5 PRO injection systems**

Draft by: **Doruk Gürkut, M.Sc.**

Reviewed by: **Leonardo Marconi, M.Sc.**

Endorsed by: **Dott.Ing. Giuseppe Muciaccia, M.Sc.**

Date: **November 4th, 2021**

Reviews

Rev.n.	Subject	Date	Pages	Approved by
01	Amendment of Tables: Table 7.3, Table 7.4, Table 7.5, Table 7.6, Table 7.7, Table 7.8, Table 7.9, Table 7.10, Table 8.1, Table 8.2 Figures: Figure 8.6, Figure 8.7	15/12/2021	21-52, 57,58	Leonardo Marconi, M.Sc.
02	Addition of concrete covers 100, 120, 140 and 160mm. Addition of Table 7.11, Table 7.12, Table 7.13, Table 7.14	03/01/2022	16, 53-69	Leonardo Marconi, M.Sc.
03	Figure 6.2 amended	11/01/2022	13	Leonardo Marconi, M.Sc.

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