

TECHNICAL BULLETIN – TB151

APPLICATIONS FOR ARDEX E25 IMPROVER AND ABALASTIC WITH ARDEX SMOOTHING CEMENTS

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INTRODUCTION & SCOPE

The Ardex smoothing cements can be used in a wide range of situations as one part materials, but for some situations Ardex recommends that an additive liquid is used to improve the cement properties. Examples of these situations include high stress or load environments and flexible substrates.

This short bulletin lists the situations where the liquid additives are recommended and the basic mix designs based on 20kg bags, or parts for repair mortars.

MIX DESIGNS AND TYPICAL APPLICATIONS

Product	Application examples	Additive	Additive litres	Water litres
K15M	For smoothing over Ardex Moisture Barrier with P82 Primer (TB006)	E25	1	4.5
K15M	<ul style="list-style-type: none"> High stress applications (TB028) Heated subfloors (TB029) Flexible surfaces including metal (TB100) For the timber mesh system (TB016) When smoothing over P82 Primer on non-porous surfaces such as tiles (TB017) When used for direct fixed timber flooring (TB036) When used as part of the Ardex Vinyl Wet Area system (TB012D, TB178) 	E25	1.6	4
K12N	<ul style="list-style-type: none"> High stress applications (TB028) Heated subfloors (TB029) When smoothing over P82 Primer on non-porous surfaces such as tiles (TB017) When used for direct fixed timber flooring (TB036) When used as part of the Ardex Vinyl Wet Area system (TB012D, TB178) Where increased flexibility is required such as CFC floors 	E25	1	4.5-4.8



Product	Application examples	Additive	Additive litres	Water litres
A45	<ul style="list-style-type: none"> • High load/stress applications • Where A45 is applied over P82 for non-porous surfaces • As part of Vinyl Wet Area system in TB012D, TB178 	E25	1.3 1 part	3.2 2.5 parts
K120	<ul style="list-style-type: none"> • High load/stress applications 	E25	1.25	3.75
K005	<ul style="list-style-type: none"> • High load/stress applications • Compressed Fibre-Cement (CFC) sheet floors • Where K005 is applied over P82 for non-porous surfaces • When used as part of Ardex Vinyl Wet Area system (TB012D, TB178) • When used as a screed on timber floors in wet areas (TB119) 	E25 (Dry situations only)	1	2
K005	<ul style="list-style-type: none"> • Where increased flexibility is required such as CFC floors • Where the smoothing cement is applied over selected membranes (TB141) • Increased water resistance • Heated subfloors 	Abalastic	1.5	1.5
LQ92	High load applications	E25 (Dry situations only)	1.5	3
LQ92	<ul style="list-style-type: none"> • Where increased flexibility is required such as CFC floors • Where the smoothing cement is applied over selected membranes (TB141) • Increased water resistance • Heated subfloors (TB176) 	Abalastic	2.5	2.5

Product	Application examples	Additive	Additive litres	Water litres
K250	<ul style="list-style-type: none"> Increased stress applications Where increased flexibility is required such as CFC floors Increased water resistance 	E25 (Dry situations only)	1.25	3.75
K250	<ul style="list-style-type: none"> Where increased flexibility is required such as CFC floors Increased water resistance 	Abalastic	1.7	3.3
K301	For increased resilience or where vibrations are expected	E25 (Dry situations only)	1.3	3.2
K1 *25kg	<ul style="list-style-type: none"> Increased stress applications 	E25	1	4.75
K80, A46, A55, A38	These products have not been specified for use with E25 at this time.	NA	NA	NA

Notes: Other mix designs can be developed for specific applications as required by contacting Ardex Technical services.

Ardex (Ardion) E90 is designed for use with ceramic tile adhesives and it contains microfibres. The polymer is also stickier and softer than E25. The addition of microfibres will reduce flow properties, and the hardness of the cured smoother will be lower than with E25. For these reasons the use of E90 while not impossible, is not normally recommended.

IMPORTANT

This Technical Bulletin provides guideline information only and is not intended to be interpreted as a general specification for the application/installation of the products described. Since each project potentially differs in exposure/condition specific recommendations may vary from the information contained herein. For recommendations for specific applications/installations contact your nearest Ardex Australia Office.

DISCLAIMER

The information presented in this Technical Bulletin is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of a product for a particular application. Users are asked to check that the literature in their possession is the latest issue.

REASON FOR REVISION

Deletion of K10 and K11. Addition of K120.

REVIEW PERIOD

36 months from issue

Technical Services 1800 224 070. email: technicalservices@ardexaustralia.com
Australia <http://www.ardexaustralia.com>

NSW-HO 61 2 9851 9199. **Customer Service and Sales** 1300 788 780 **Sales Fax** 1300 780 102

New Zealand Christ Church 64 3373 6900, Auckland 9636 0005, Wellington 4568 5949
Technical Inquiries NZ 0800 2 ARDEX New Zealand <http://www.ardex.co.nz>

Web: Corporate: <http://www.ardex.com>

