



LARSEN

VERSION: 01

ISSUED: MAY 2026

TECHNICAL DATA SHEET

EPOXY ADHESIVE RAPID

Larsen Epoxy Rapid Bond is a styrene-free, epoxy acrylate, rapid setting adhesive designed for high performance structural bonding, repair and sealing applications.

It is a two-component system suitable for use on a wide range of construction substrates. The product provides a strong, durable bond with excellent mechanical strength and long-term performance. Bonding capabilities across concrete, hard natural stone, steel, iron, wood and various masonry types.

USES

- Structural adhesive applications
- Concrete
- Hard natural stone
- Ceramics
- Fibre cement
- Mortar
- Brick masonry and brick slips
- Hollow and solid masonry
- Steel to concrete
- Iron
- Wood
- Concrete repair applications
- Corners and edges
- Hole and void filling
- Joint arrises
- Joint filling and crack sealing
- Static crack filling and sealing
- Fixing of handrails, balustrades and supports

FEATURES & BENEFITS

- High strength structural adhesive
- Excellent adhesion to multiple substrates
- Styrene-free, low odour formulation
- Rapid setting
- Non-shrink formulation
- Chemical resistant
- Suitable for vertical and overhead applications
- Durable and long lasting
- Supplied in 300ml cartridge for ease of use and minimal waste
- Particularly advantageous for use in damp environments

SPECIFIC BENEFITS & APPROVALS

- European Approved
- ETA – European Approval 21/0865 for use in concrete
- Approved for use in masonry
- Suitable for studs and rebar applications
- High load capability
- Economical resin system
- High chemical resistance
- A+ VOC emission rating
- Tested in accordance with LEED 2009 EQ c4.1 and SCAQMD Rule 1168 (2005)



For further information, consult our Technical Department.

LarsenBuildingProducts.com

Belfast 028 9077 4000 Birmingham 028 9053 5409 Dublin 01 8348255



TECHNICAL DATA SHEET

PRODUCT INFORMATION

FORM	2 Part Paste
STANDARD COLOUR	Light Grey (A: Beige B: Black)
HAZARD INFORMATION	Epoxy Acrylate Resin – Consult Safety Data Sheet before use
CLEANING	Epoxy Acrylate Resin – Consult Safety Data Sheet before use
PACKAGING	300ml 2-part cartridge
STORAGE INSTRUCTIONS	Store in cool, dry, well-ventilated conditions
SHELF LIFE	Store in cool, dry, well-ventilated conditions

APPLICATION INFORMATION

MIXED DENSITY	1.8 kg/L
APPLICATION TEMPERATURE	0°C to +30°C
TEMPERATURE	0°C TO +30°C

WORKING TIME

TEMPERATURE	0°C	5°C	10°C	15°C	20°C	25°C	30°C
WORKING TIME	45 MINS	25 MINS	15 MINS	10 MINS	8 MINS	5 MINS	4 MINS
LOADING TIME	3 HR	2 HR	1.5 HR	1 HR	45 MINS	30 MINS	20 MINS

MINIMUM CURING TIME

CONCRETE CURING TIME	GEL TIME	DRY CONCRETE	WET CONCRETE
0°C – 10°C	20 MINS	90 MINS	180 MINS
10°C – 20°C	9 MINS	60 MINS	120 MINS
20°C – 30°C	5 MINS	30 MINS	60 MINS
30°C – 40°C	3 MINS	20 MINS	40 MINS

Resin temperature must be minimum 20°C for optimal performance

TEMPERATURE RANGES

RANGE CONCRETE SERVICE TEMPERATURE	LONG TERM	SHORT TERM
I	-40°C TO +40°C	+24°C TO +40°C
II	-40°C TO +80°C	+50°C TO +80°C

TYPICAL PERFORMANCE INFORMATION

COMPRESSIVE STRENGTH	>60 MPa
COMPRESSIVE MODULUS	7400 MPa
SHRINKAGE	Hardens without shrinkage
ADHESIVE STRENGTH	≥1.5MPa after 2 hours

DIRECTIONS FOR USE

SUBSTRATE PREPARATION

All substrates must be clean, sound and free from dust, oil, grease and loose material.

Mechanical preparation is recommended to provide a suitable key.

APPLICATION

Use dispensing gun and apply adhesive directly onto the prepared substrate ensuring full contact and no air entrapment. Do not disturb bonded elements until sufficient curing has occurred.

HEALTH & SAFETY

Use appropriate PPE including gloves and eye protection.

Avoid contact with skin and eyes.

Refer to Safety Data Sheet for full details.

QUALITY ASSURANCE

Manufactured under ISO 9001 quality management systems ensuring consistent product performance.

DISCLAIMER

The information contained herein is based on current knowledge and experience.

Users must ensure suitability for the intended application. No liability can be accepted for misuse.