



CRYSTIC[®]

CRESTABOND

— STRUCTURAL ADHESIVES —

Introducing Primer-Less Universal Bonding

The Crestabond M1 series is a range of 10:1 structural adhesives based on methacrylate technology unique to the market due to their ability to universally bond a wide variety of dissimilar substrates without the need to use primers to improve bond performance.

There are a range of working times available to suit differing applications whilst the fixture times are kept short to improve customer production efficiency.

Scott Bader has over 25 years experience in designing the highest quality adhesives and has had over 60 years experience in the composites industry. Crystic adhesives are manufactured within the EU to stringent quality controls.

Our industry-leading support team are available to assist customers with technical help and advice. In-house lab testing facilities allows rapid responsive action from customer requests.



MARKET APPLICATIONS

- ✓ **MARINE**
from kayaks to super yachts
- ✓ **LAND TRANSPORTATION**
buses, coaches, trains and trucks
- ✓ **BUILDING & CONSTRUCTION**
doors, windows and cladding
- ✓ **WIND ENERGY**
blades, housings and nacelles
- ✓ **RECREATIONAL VEHICLES**
Motorhomes and caravans
- ✓ **AGRICULTURAL VEHICLES**
Tractors, diggers and combine harvesters

CRESTABOND FEATURES

CUSTOMER BENEFITS

- | | |
|---|---|
| <ul style="list-style-type: none"> ✓ PRIMER-LESS ADHESIVES ✓ Minimal surface preparation ✓ Excellent fatigue and impact resistance ✓ Range of working and fixture times ✓ Good gap filling capability | <ul style="list-style-type: none"> > <i>Dramatically enhances production efficiency and reduces consumable costs</i> > <i>Reduces dust emissions and preparation time</i> > <i>Confidence in the longevity of the finished product</i> > <i>Optimise production cycles to reduce manufacturing costs</i> > <i>Adhesive can be used in multiple applications</i> |
|---|---|



COMPOSITES METALS PLASTICS

Adhesive Selection Guide

Selection of the appropriate product is essential for long-term adhesion and durability.

| Product | Description | Colour | Mix Ratio by Volume | Viscosity (CPS) | Working Time (mins) | Fixture Time (mins) | Tensile Elongation (%) | Tensile Strength (MPa) | Tensile Modulus (MPa) | Gap Fill (mm) |
|--------------|------------------|--------|---------------------|-------------------|---------------------|---------------------|------------------------|------------------------|-----------------------|---------------|
| M1-05 | Universal Bonder | Grey | 10:1 | 100,000 - 140,000 | 4 - 7 | 12 - 18 | 70 | 16 | 580 | 1 - 15 |
| M1-20 | Universal Bonder | Grey | 10:1 | 100,000 - 140,000 | 16 - 22 | 25 - 35 | 56 | 17 | 520 | 1 - 25 |
| M1-30 | Universal Bonder | Grey | 10:1 | 200,000 - 240,000 | 25 - 35 | 60 - 80 | >100 | 18 | 940 | 1 - 50 |
| M1-60 | Universal Bonder | Grey | 10:1 | 200,000 - 240,000 | 50 - 70 | 150 - 180 | >100 | 18 | 940 | 1 - 50 |
| M1-90 | Universal Bonder | Grey | 10:1 | 200,000 - 240,000 | 80 - 100 | 210 - 240 | >100 | 18 | 980 | 1 - 50 |

Based on laboratory results

Using the Adhesive Selection Guide



Step 1

Choose the adhesive with optimal working and fixture times.

The cartridges can be applied using a manual or pneumatic 380ml gun. Suitable manual and pneumatic guns plus static mixers, are all available to purchase from Scott Bader.

Pails and drums can be dispensed using an automated 10:1 dispensing machine.

Scott Bader technical support can provide advice on appropriate dispensing machines.

SUBSTRATES

COMPOSITES

METALS

PLASTICS

| GRP | STAINLESS STEEL | ALUMINIUM | POWDER COATED STEEL | COLD ROLLED STEEL | ABS | ACRYLIC | POLYCARBONATE |
|-----|-----------------|-----------|---------------------|-------------------|-----|---------|---------------|
| ✓ ✓ | ✓ ✓ | ✓ ✓ | ✓ ✓ | ✓ ✓ | ✓ | ✓ | ✓ |
| ✓ ✓ | ✓ ✓ | ✓ ✓ | ✓ ✓ | ✓ ✓ | ✓ | ✓ | ✓ |
| ✓ ✓ | ✓ | ✓ ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ✓ ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ✓ ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Multiple ticks denote exceptional suitability

Step 2

Check the adhesive bonds the required substrates.

Step 3

Arrange a demonstration or trial by contacting your local Scott Bader representative or email crestabond@scottbader.com

Pack Sizes

- 380ml co-axial cartridges
- 20 litre pails
- 200 litre drums



HOW TO ORDER BULK PACKED MATERIAL

| Product | Adhesive (Pails or Drums) | Activator (Pails only) |
|---------|---------------------------|------------------------|
| M1-05 | M1-05 Adhesive | Activator 1 |
| M1-20 | M1-20 Adhesive | Activator 1 |
| M1-30 | M1-30 Adhesive | Activator 1 |
| M1-60 | M1-60/90 Adhesive | Activator 2 |
| M1-90 | M1-60/90 Adhesive | Activator 3 |

Scott Bader Europe

HEAD OFFICE

Scott Bader Company Limited

Wollaston
England
Tel: +44 1933 663100
Fax: +44 1933 666139
email: composites@scottbader.com

Scott Bader SA

Amiens
France
Tel: +33 3 22 66 27 66
Fax: +33 3 22 66 27 80
email: composites@scottbader.fr

Scott Bader Iberica

Barcelona
Spain
Tel: +34 93 553 1162
Fax: +34 93 553 1163
email: composites@scottbader.es

Scott Bader Germany

Zur Drehscheibe 5
D - 92637 Weiden
Germany
Tel: +49 961 401 84474
Fax: +49 961 401 84476
email: composites@scottbader.de

Scott Bader Ireland

Dublin
Ireland
Tel: +353 1801 5660
Fax: +353 1801 5657
email: composites@scottbader.ie

Scott Bader Scandinavia AB

Falkenberg
Sweden
Tel: +46 346 10100
Fax: +46 346 59226
email: composites@scottbader.se

Scott Bader Eastern Europe

Liberec
Czech Republic
Tel: +420 48 5228 344/5111 255
Fax: +420 48 5228 345/5111 254
email: composites@scottbader.cz

Scott Bader d.o.o.

10 000 Zagreb
Zitnjak BB
Croatia
Tel: +385 1 240 6440
Fax: +385 1 240 4573
email: info@scottbader.hr

Scott Bader Group Companies

Scott Bader Inc

Stow, OH
USA
Tel: +1 330 920 4410
Fax: +1 330 920 4415
email: info@scottbaderinc.com

Scott Bader (Pty) Limited

Hammarsdale
Republic of South Africa
Tel: +27 31 736 8500
Fax: +27 31 736 8511
email: composites@scottbader.co.za

Scott Bader Middle East Limited

Jebel Ali
Dubai
Tel: +971 488 35025
Fax: +971 488 35319
email: info@scottbader.ae

Scott Bader Asia Pacific

Shanghai 200042
China
Tel: +86 (21) 52987778
+86 (21) 52988887
Fax: +86 (21) 52988889
email: info@scottbader.cn



Leading composites innovation for over 60 years



Visit us at:

scottbader.com

STRUCTURAL ADHESIVES/8/10