



**NEW**  
MEM

Introducing two distinct product ranges of bonding pastes suitable for a large number of different bonding applications.

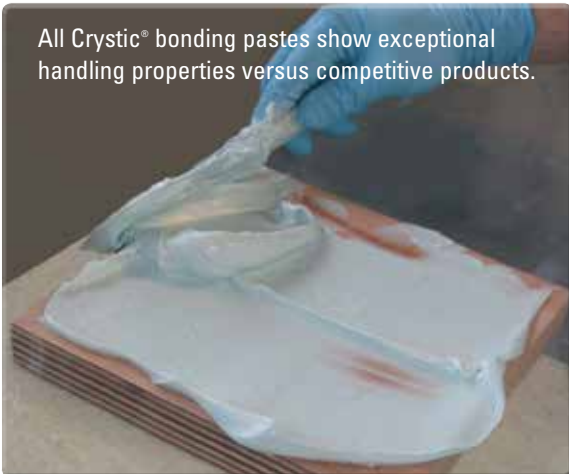


### Crystic<sup>®</sup> General Purpose Bonding Pastes

are suitable for non-structural GRP applications. The extensive range includes both orthophthalic and isophthalic bonding pastes with a variety of product features providing excellent customer choice.

### Crystic<sup>®</sup> High Performance Bonding Pastes

are formulated with the addition of the unique Scott Bader urethane acrylate technology to improve fatigue resistance compared to a standard bonding paste. This range of bonding pastes can be used when higher performance than a standard bonding paste is required and when structural adhesives are over specified. The range provides an alternative to vinyl ester bonding pastes.



All Crystic<sup>®</sup> bonding pastes show exceptional handling properties versus competitive products.



A wooden pad being applied to a GRP laminate with Crystic<sup>®</sup> BP 90-84PA.

## Markets / Applications

### MARINE

Bonding double marine skins  
Attaching foam stringers to GRP hulls  
Bonding wooden pads to GRP laminates  
Filling rudder blades

### TRANSPORT

Fitting inserts  
Fairing GRP mouldings  
Filling corners and voids

### TANKS & PIPES

Filling grooves and corners  
Levelling and repairing surface imperfections  
Bonding sewage containers

### BUILDING

Bonding & fitting double skin doors  
Bonding inserts into garage doors  
Bonding double skin baths together

# Crystic® General Purpose Bonding Pastes

A range of orthophthalic and isophthalic bonding pastes to suit all applications.



## Key Benefits

The General Purpose Bonding Paste range shows exceptional handling properties and no resin additions are required to ensure good flow.

This range has a wide variety of different product benefits:-

- Range of densities
- Range of gel times
- Colour change
- Low shrinkage
- Range of substrates – GRP, wood, stainless steel or aluminium

## Range Overview

Choose the product that suits your needs

Name	Description	Geltime	Colour Change	Elongation at Break %	Lap Shear (MPa)	Specific Gravity
<b>ORTHOPHTHALIC</b>						
<b>BP 90-78PA</b>	Fast cure orthophthalic bonding paste	8*	None (White)	1.0	10.5	1.3
<b>BP 90-79PA</b>	Very fast cure orthophthalic bonding paste	4*	None (Grey)	1.3	10.9	1.3
<b>BP 90-80PA</b>	Orthophthalic bonding paste reinforced with glass fibres	12**	Blue to Grey	0.8	9.7	1.3
<b>BP 90-81PA</b>	Lightweight orthophthalic bonding paste with fast cure	8**	Blue to White	1.2	7.3	0.7
<b>BP 90-82PA</b>	General purpose orthophthalic bonding paste	12**	Blue to White	2.8	11.2	1.3
<b>BP 90-83PA</b>	General purpose orthophthalic bonding paste with good flexibility	30**	Blue to White	4.0	9.8	1.3
<b>BP 90-84PA</b>	Lightweight orthophthalic bonding paste with low exotherm	30**	Blue to Cream	6.0	8.2	0.6

<b>ISOPHTHALIC</b>						
<b>BP 91-20PA</b>	Good fatigue resistant isophthalic bonding paste reinforced with glass fibres	17*	Blue to Natural	–	–	1.2
<b>BP 91-21PA</b>	Good fatigue resistant isophthalic bonding paste with low exotherm	30*	Blue to Natural	2.5	10.5	1.3

Minimum order quantities may apply.

\* 1% Butanox M-50 (or other MEKP catalyst) at 25°C \*\* 2% Butanox M-50 (or other MEKP catalyst) at 25°C

# Crystic® High Performance Bonding Pastes

Crystic® High Performance Bonding Pastes are formulated with the addition of the unique Scott Bader urethane acrylate technology to give a higher technical performance than a standard bonding paste.

**The 621CC bonding pastes include a range of geltimes with the following product benefits:-**

- **DNV Approval**
- **Low Shrink**
- **Lap Shear of 9.8 MPa**
- **Elongation at Break of 2.8% - 3.3%**
- **Specific Gravity of 1.2**
- **Colour Change Mechanism**

**The 621CC range of bonding pastes have the following applications:-**

## Applications

- ✓ **Where higher performance than a standard orthophthalic or isophthalic bonding paste is required**
- ✓ **An alternative to vinyl ester bonding pastes**
- ✓ **When improved fatigue resistance compared to standard bonding paste is needed**
- ✓ **Where structural adhesives are over specified**



Nimbus 365 Coupé

## Customer Endorsement

“

“BP 621CC has good handling properties and no sagging on vertical surfaces.

Our own tests with 30mm thick layers gave very little shrinkage and low exotherm (measured at 65°C). Both the bonding strength and the non-shrinkage properties are big advantages to us.”

Senior Engineer at Nimbus, Scandinavia

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# Scott Bader Group Companies

## HEAD OFFICE

### Scott Bader Company Limited

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

### Scott Bader France

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

### Scott Bader Spain

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

### Scott Bader Germany

Weiden  
Germany  
Tel: +49 961 401 84474  
Fax: +49 961 401 84476  
email: composites@scottbader.de

### Scott Bader Ireland

Dublin  
Ireland  
Tel: +353 1801 5656  
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: +420 485 111 253  
Fax: +420 485 111 254  
email: composites@scottbader.cz

### Scott Bader Croatia

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

### Scott Bader USA

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

### Scott Bader-ATC

Drummondville  
Canada  
Tel: +1 819 477 1752  
Fax: +1 905 681 1535  
email: sales@scottbader-atc.com

### Scott Bader South Africa

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

### Scott Bader Middle East Limited

Dubai  
United Arab Emirates  
Tel: +971 481 50222  
Fax: +971 488 35319  
email: info@scottbader.ae

### Abahsain Scott Bader LLC

Jebel Ali  
United Arab Emirates  
Tel: +971 481 50 222  
email: info@scottbader.ae

### Scott Bader Asia Pacific

Shanghai  
China  
Tel: +86 (21) 5298 7778  
Fax: +86 (21) 5298 8889  
email: info@scottbader.cn

### Satyen Scott Bader Pvt. Ltd

Mumbai  
India  
Tel: +91 22 4220 1555  
Fax: +91 22 2491 1262  
email: info@satyenpolymers.com

### NovaScott Especialidades Químicas Ltda

Civit II, Serra, ES 29165-973  
Brazil  
Tel: +55 27 3298-1100  
email: info@novascott.com.br

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All information correct at time of printing.



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