

Rockcote specifications and technical information relating to project:

Generic Benex Panel Specification

Specification for:

Benex Group



Date of Specification: 11th March 2015 Specification Number: 3990

For further information on Rockcote products, systems and warranties, please contact:
Name: James McGregor
Position: Business Development Manager
Mobile: 0419 962 198



Specification Number: 3990 Date of Specification: 11th March 2015

Application Over:	Benex Panel
Finish Required:	Sandcote

Surface Preparation:

Surface Preparation: Substrate must be clean and free of dust, oil, dirt, mould or any other contamination. Substrate must be wet down to assist with correct cement hydration and bonding. Application of ROCKCOTE Render may proceed once the "shine" has gone off the wall.

Please read all relevant Technical Data Sheets & Material Safety Data Sheets prior to product use.

Step 1	Product Used	Rockcote Keycote
	Application Method	Trowel
	Spreading Rate	14m2/20kg
	Dry Coating Thickness	1.2-2mm
	Curing Time	48 hrs
Step 2	Product Used	Rockcote Quick Render PM100 & Mesh
	Application Method	Trowel or Spray
	Spreading Rate	2m2/20kg
	Dry Coating Thickness	4-8mm
	Curing Time	48-72hrs
Step 3	Product Used	Rockcote Texprime (Tinted)
	Application Method	Brush, Roller or Spray
	Spreading Rate	6m2/ltr
	Curing Time	4 hrs
Step 4	Product Used	Rockcote Sandcote
	Application Method	Trowel
	Spreading Rate	10m2/15ltr
	Dry Coating Thickness	1mm
	Curing Time	24 hrs
Step 5	Curing Time Product Used	24 hrs Rockcote Clearcote
Step 5	_	
Step 5	Product Used	Rockcote Clearcote

The above specification is eligible for a 15 year system warranty when applied in accordance with the relevant technical specifications. Rockcote warrants all its coatings and coatings systems when applied in accordance with the relevant technical specifications. This warranty not only ensures the client's protection but also Rockcote's ongoing commitment to quality

ROCKCOTE KEYCOTE



Last Updatedanuary 2013

Description	ROCKCOTE Keycote is a cementitious polymer modified adhesive base coat manufactured to exacting conditions from high quality, washed and graded sands, Off White Portland Cement and proprietary additives conforming to Australian Standard 3972. ROCKCOTE Keycote is ideal for use as a base coat over fibro cement sheets, provided that a minimum of 2mm dry film build of acrylic render is used as a finish coat. ROCKCOTE Keycote can provide a very strong adhesive bond to difficult substrate surfaces such as smooth masonry & clay block surfaces and properly cleaned & prepared pre-painted surfaces, prior to the application of cement based renders.	
	Features	Benefits
	 *10 year warranty Only requires addition of water 	• Tough • Water resistant
	•Easy to use•Exhibits minimal shrinkage	
Uses	 Designed for use as a base coat over smooth masonry and painted surfaces, fibre cement sheeting, off form concrete and tilt up precast concrete panel Can be used interior and exterior 	
Colours and Gloss	N/A	
Sheen Level	N/A	
Typical Data at 25 °C	and 50% Relative Humidity	

Coverage Rate	Approximately 14m2/20kg @ 1.4mm build Approximately 2.5m2/20kg @ 4mm build	
Film Build	Optimum results are normally achieved by applying 1.4-2mm thick for one coat. Application is not recommended in a single coat greater than 6mm thick.	
Drying Time	Dries in approximately 4-8 hours under normal drying conditions. (Dry times vary with changes in temperature and humidity and residual moisture in the substrate).	
Curing Time	24-48 hours Once initial dry set has occurred, rewet 1 - 2 to times a day with clean water for 1 day. This is especially important during hot and/or windy weather.	
Abrasion Resistance	Excellent	
Usual No Coats	Suitable for multiple coat application	
Packaging Sizes	20 Kg Bags	
Clean Up	Clean with water immediately after use if render has not cured. Remove any unwanted material or spatter from surfaces with water as soon as possible and preferably before dry. Recently dried render may be more easily removed with warm water and detergent.	
Substrate Conditions	 Must be applied over properly prepared substrates that are free of dirt, dust, grime and any other contaminants All substrates must be installed as per manufacturers' specifications prior to application Do not apply if air and surface temperatures are below 3°C or above 35°C 	
Application	 Mix 20kg of ROCKCOTE Keycote with 4.8 – 5.0 litres of clean water for a minimum of 3 minutes, let stand for 3 minutes, re-mix and adjust consistency if required For masonry surfaces, wet down the wall and once the sheen has receded apply ROCKCOTE Keycote to the entire surface and leave rough to provide optimum adhesion for subsequent coats For using as a base coat over off form concrete or tilt up precast concrete Panels ROCKCOTE Keycote can be applied in one or two coats and finished with a Plastic trowel or similar to achieve the desired finish For best results, ROCKCOTE Keycote is to be applied to a minimum thickness of 1.4mm, leaving surface suitably keyed to provide optimum adhesion for subsequent coating ROCKCOTE Keycote must be cured for a minimum 48 hours before over coating The application of ROCKCOTE Keycote is a specialist procedure and should only be carried out by a skilled and experienced applicator in accordance with ROCKCOTE Technical 	
ROCKCOTE ENTERPRI	ES PTY LTD E: sales@rockcote.com.au WWW.ROCKCOTE.COM.AU	

E: sales@rockcote.com.au PH: 1300 736 668

ROCKCOTE KEYCOTE



Last Updatedanuary 2013

	Specifications	
Safety Data	Refer ROCKCOTE Keycote MSDS	
Precautions and Limitations	 Should not be applied over silicone-based painted surfaces, or any surface or system not specified by ROCKCOTE Should only be applied to glossy impervious painted surface when correctly prepared surface has been roughened for a satisfactory key for ROCKCOTE Keycote to adhere Should not be applied in temperatures below 3°C or in very hot and windy conditions or above 30°C Protect from freezing temperatures for 24 hours after application Protect from heavy rain for 8 hours after application When using ROCKCOTE Keycote as a basecoat within a ROCKCOTE coloured render system, a tinted ROCKCOTE acrylic primer must be applied prior to application of coloured render ROCKCOTE Keycote must be used prior to use by date 	
Transport and Storage	 ROCKCOTE Keycote must be kept dry during transportation and storage When working with ROCKCOTE Keycote, observe the usual precautions for handling cement based products Avoid inhalation of the powder, prolonged skin contact and particularly eye contact If contact occurs, flush thoroughly with clean water Wear protective clothing to minimise skin contact and wear goggles where spatter is likely Where spills occur, sweep up dry material or soak up liquid spillage with sand/sawdust and remove to suitable disposal ROCKCOTE Keycote must be used within 1 year of manufacture 	
Disclaimer	ROCKCOTE Enterprises Pty Ltd will not accept responsibility for any misuse of this product or if not applied by a skilled and experienced applicator and in accordance with our technical specifications. Due to our policy of continuing product improvement, ROCKCOTE Enterprises Pty Ltd reserves the right to change these specifications without further notice. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. * WHEN USED AS PART OF A FULL ROCKCOTE SYSTEM.	



ROCKCOTE QUICK RENDER PM100 (Q RENDER PM100)

Last Updated March 2015

Description	ROCKCOTE Quick Render PM100 is a pre-bler specifications composed of high quality washed Portland Cement and proprietary polymer additiv Properly cured ROCKCOTE Quick Render PM1 reliable surface for over-coating with acrylic text requirements of the professional tradesperson a materials and methods. ROCKCOTE Quick Rer and finish. ROCKCOTE Quick Render PM100 h expanded and extruded polystyrene walling syst warranty. *ROCKCOTE Reinforced Render.	and graded sand, General Purpose Grey ves conforming to Australian Standard 3972. 00 exhibits minimal drying shrinkage and is a ures and paints. This product meets the and the demands of modern construction inder PM100 is simple to mix and easy to apply as been formulated and designed for use over
	Features	Benefits
	 10 year warranty* Easy to use 	ToughLong term exterior protection
	 Excellent adhesion to properly prepared 	Water repellent
	 substrates ROCKCOTE Acrybond not required, just add water 	 Does not need priming before painting Can be painted after 48 hours (site mix sand and cement must be cured for 28 days prior to coating) Saves time and money
		 Can reduce scaffold costs, when used instead of site mix sand and cement render Forms part of a warranted system for expanded and extruded polystyrene walling systems
Uses	 ROCKCOTE Quick Render PM100 is suitable such as polystyrene, brick, block, concrete, A.A. Can be used interior and exterior ROCKCOTE Quick Render PM100 is ideal to a Coloured renders and Roll On Textures ROCKCOTE Quick Render PM100 must be on 	use as a base coat for ROCKCOTE Acrylic
Colours and Gloss	N/A	
Sheen Level	N/A	
Typical Data at 25 °C	and 50% Relative Humidity	
Coverage Rate	Approximately 2m2/20kg @ 4mm build	
Film Build	Optimum results are normally achieved by applying at 4 - 10mm thick per coat. ROCKCOTE Quick Render PM100 should not be applied in a single coat greater than 10mm thick. For total thicknesses over 15mm but less than 30mm, PM100 HB should be used as basecoat to create build before the finish coat is applied. Mechanical fixing must be used for thicknesses in excess of 30mm.	
Drying Time	Dries in approximately 8 hours under normal drying conditions. (Dry times vary with changes in temperature and humidity and residual moisture in the substrate).	
Curing Time	Once initial dry set has occurred, rewet 2 to 3 times a day with clean water for 2 days. This is especially important during hot and/or windy weather	
Abrasion Resistance	Excellent	
Usual No Coats	Suitable for 1 coat application depending on sub	strate and method of application
Packaging Sizes	20 kg bags	
Clean Up	Clean with water immediately after use if render or spatter from surfaces with water as soon as p	has not cured. Remove any unwanted material possible and preferably before dry. Recently dried
ROCKCOTE ENTERPRIS	SES PTY LTD E: sales@rockcote.com.a	au WWW.ROCKCOTE.COM.AL



ROCKCOTE QUICK RENDER PM100 (Q RENDER PM100)

Last Updated March 2015

	render may be more easily removed with warm water and detergent	
Substrate Conditions	 ROCKCOTE Quick Render PM100 must be applied over properly prepared substrates that are free of dirt, dust, grime and any other contaminants Do not apply ROCKCOTE Quick Render PM100 if air and surface temperatures are below 3°C or above 35°C All brick and masonry substrates must be wet down prior to the application of ROCKCOTE Quick Render PM100. Application should proceed when the wet "shine" has disappeared For dense, smooth and difficult substrates ROCKCOTE Keycote must be applied prior to ROCKCOTE Quick Render PM100 application to provide optimum adhesion When applying over A.A.C, seal first with one coat ROCKCOTE Acrybond mixed with an equal part of water to control suction and improve adhesion 	
Mixing	N/A	
Application	 For traditional hawk and trowel hand application, mix 20 kg of ROCKCOTE Quick Render PM100 to 4.0L of gauging liquid for a minimum of 3 minutes, let stand for a further 3 minutes and re-mix and adjust to desired consistency ROCKCOTE Quick Render PM100 should not be applied in a single coat greater than 10mm ROCKCOTE Quick Render PM100 can be sprayed on with a suitable machine such as Mortatec Worker or Mortarman ROCKCOTE Quick Render PM100 can be shaved flat, floated and sponged or just shaved if applying a ROCKCOTE Coloured Render System All windows and doors should be masked up to avoid damage and for ease of cleaning Keep the finished ROCKCOTE Quick Render PM100 sheltered from rain & moisture for 24hrs after completion dependent on climatic conditions 	
Safety Data	Refer ROCKCOTE Quick Render PM100 MSDS	
Precautions and Limitations	 ROCKCOTE Quick Render PM100 should not be applied in temperatures below 3°C or above 35°C ROCKCOTE Quick Render PM100 is not suitable for application over fibre cement sheeting, and swimming pools Can be applied up to 10mm per coat 	
Transport and Storage	 ROCKCOTE Quick Render PM100 must be kept dry during transportation and storage When working with ROCKCOTE Quick Render PM100, observe the usual precautions for handling cement based products Avoid inhalation of the powder, prolonged skin contact and particularly eye contact If contact occurs, flush thoroughly with clean water Wear protective clothing to minimise skin contact and wear goggles where spatter is likely Where spills occur, sweep up dry material or soak up liquid spillage with sand/sawdust and remove to suitable disposal 	
Disposal	 Dispose of in accordance with local council regulations 	
Disclaimer	ROCKCOTE Enterprises Pty Ltd will not accept responsibility for any misuse of this product or if not applied by a skilled and experienced applicator and in accordance with our technical specifications. Due to our policy of continuing product improvement, ROCKCOTE Enterprises Pty Ltd reserves the right to change these specifications without further notice. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. * WHEN USED AS PART OF A FULL ROCKCOTE SYSTEM.	

ROCKCOTE TEXPRIME



Description	ROCKCOTE Texprime is designed as a highly adhesive primer for all substrates that require a sand based primer. Its limited slip properties make it suitable for use on fibre cement sheeting, tilt-up and other smooth surfaces. Tilt up panels must be primed with ROCKCOTE Solprime before the application of ROCKCOTE Texprime. ROCKCOTE Texprime can be tinted to a wide range of colours, and is ideal as a primer for use with ROCKCOTE coloured renders and textures	
	FeaturesBenefits• 10 year warranty*• Limited slip properties• Alkali Resistant• Reduces Suction• Easy to use• Can be tinted• Highly adhesive• Low roller spatter	
Uses	 Reduces suction on porous and high suction substrates such as A.A.C. and cement sheeting Ideal for priming or sealing substrates prior to the application of ROCKCOTE Acrylic Coloured Render and Roll On Texture Systems Due to its unique anti slip qualities is ideal for applying over smooth surfaces prior to application of ROCKCOTE Trowel On Coloured Renders or base coats Can be used interior and exterior 	
Colours and Gloss	Can be tinted to a wide range of colours	
Sheen Level	Matt	
Typical Data at 25 ℃	and 50% Relative Humidity	
Thinning	5%	
Coverage Rate	Approximately 6 square metres per litre, Figures are a guide only. Coverage rates vary according to substrate, application technique, wastage factors and substrate preparation.	
Drying Time	4 hours	
Touch Dry	2 hours	
Dry to Recoat	4 hours	
Abrasion Resistance	Excellent	
Usual No Coats	1	
Packaging Sizes	15 Ltr & 4 Ltr pails	
Clean Up	Water	
Substrate Conditions	 Surfaces should be clean, dry and free from loose or crumbling material, oil or form release agents Care should be taken to keep ROCKCOTE Primers off windows and adjacent surfaces that are not to be treated, as they can be very difficult to remove once allowed to dry All substrates must be installed as per manufacturers' specifications prior to application Not suitable for areas that will be submerged in water or subjected to continual moisture 	
Mixing	N/A	
Application	 Check colour before use If using multiple pails on a wall, box drums prior to use The application of this product is a specialist procedure which should be carried out by a skilled and experienced applicator All substrates must contain no more than 15% WME before the application can commence It is important to maintain a wet edge when applying to avoid tracking and picture framing. [See ROCKCOTEs article on Picture Framing] Must be applied evenly and consistently to provide colour consistency and opacity for top coats Can be applied with a quality brush or 15-20mm long nap sheepskin roller 	



ROCKCOTE TEXPRIME

	 For tilt up precast concrete Panels, ROCKCOTE Solprime must be applied prior application of this product 	
Safety Data	Refer to ROCKCOTE Texprime MSDS	
Precautions and Limitations	 Should not be applied in air and surface temperatures below 5°C or above 35°C Should not be applied over glossy silicone based paints or sealants ROCKCOTE Primers should only be used over sound clean substrates, and are not suitable for areas that will be submerged in water or subjected to continual moisture ROCKCOTE Primers must only be used on substrates with a moisture level of less than 15% WME ROCKCOTE Primers are not suitable for use direct to substrate below damp proof installments 	
Transport and Storage	 Store in a cool dark place Keep pail sealed Do not stack over 3 high 	
Disposal	 Spilt Material must be absorbed with sand/sawdust and lifted for proper disposal Product must not be allowed to run into drains or open bodies of water Residual small amounts of leftover paint on brushes and rollers should be wiped on to an old newspaper and allowed to dry, rather than being washed down the sink. Dispose of in accordance with local council regulations Suitable for disposal through the RA Industries Reclaimer Portable Paint Wash Recycling System 	
Disclaimer	ROCKCOTE Enterprises Pty Ltd will not accept responsibility for any misuse of this product or if not applied by a skilled and experienced applicator and in accordance with our technical specifications. Due to our policy of continuing product improvement, ROCKCOTE Enterprises Pty Ltd reserves the right to change these specifications without further notice. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. * WHEN USED AS PART OF A FULL ROCKCOTE SYSTEM.	

ROCKCOTE SANDCOTE



Last Updatedanuary 2013

Description	ROCKCOTE Sandcote is a flexible acrylic based coating manufactured using 100% acrylic emulsions, quality graded quartz and other additives blended together to provide a natural coloured render finish over many substrates. ROCKCOTE Sandcote is an attractive and natural coloured render that uses the inherent beauty of mineral sands and aggregates to produce a stunningly natural but stylishly modern texture finish. ROCKCOTE Sandcote has been designed as a coloured render, however it can be painted provided it is primed with ROCKCOTE High Opacity Primer prior to coating with 2 coats of ROCKCOTE Armour or Armour Flex	
	Features • 10 year warranty* • Water based • Ease of use • No sponge finishing required • Vapour permeable	 Benefits Tough Flexible Water resistant Excellent adhesion Long term exterior protection Natural coloured render finish that does not require painting
Uses	 ROCKCOTE Sandcote is suitable to go over properly prepared substrates such as brick, block, cement render, ROCKCOTE Render, concrete, cement sheeting, A.A.C. panels/blocks and plasterboard Can be used interior and exterior Can be over coated with ROCKCOTE Repel or ROCKCOTE Clearcote for added durability and low maintenance 	
Colours and Gloss	Can be tinted to a wide range of colours from s while still maintaining an attractive natural appear	
Sheen Level	Matt	
Typical Data at 25℃	and 50% Relative Humidity	
Thinning	Up to 5%	
Coverage Rate	Coverage rates may vary according to substrate and preparation. ROCKCOTE Sandcote is usually applied at the rate of approximately 10 square metres per 15 litre drum.	
Film Build	1mm dry film build	
Drying Time	48 hours	
Touch Dry	5 hours	
Dry to Recoat	48 hours	
Crack Bridging	Bridge cracks up to 900µm per applied coat	
Abrasion Resistance	Excellent	
Usual No Coats	1	
Packaging Sizes	15 Ltr pails	
Clean Up	Water	
Substrate Conditions	 ROCKCOTE Sandcote must be applied over properly prepared substrates that are free of dirt, dust, grime and any other contaminants Substrates must not contain more than 15% moisture prior to application Do not apply if air and surface temperatures are below 5°C or above 35°C If applying over ROCKCOTE Quickrender, application may proceed after 48 hours if properly cured Fresh cementitious substrates such as site mix sand and cement render and concrete must be left for up to 28 days to sufficiently cure prior to application of ROCKCOTE Sandcote ROCKCOTE Anti Efflorescent primer should be used when applying over site mix render 	



ROCKCOTE SANDCOTE

Last Updatedanuary 2013

Application	 Check colour before use Ensure same batch numbers are used on a single wall where possible Mix to help reactivate and aerate contents Apply evenly over the properly prepared substrate with a hawk and trowel Ideally apply slightly thicker than the sand granules to achieve optimum results Using circular motions finish with a plastic float/trowel Be sure to keep a wet edge with this product and plan your work to suit the product and weather conditions If joining up to previous day's application, it is "good working practice" to start and finish on an external or internal corner Keep sheltered from rain & moisture for 24 - 48 hrs after completion dependent on climatic conditions It is advisable to apply a primer that is tinted to the required finish colour before the application of ROCKCOTE Sandcote, if a coloured topcoat will not be used 	
Safety Data	Refer to ROCKCOTE Sandcote MSDS	
Precautions and Limitations	 Check colour before use Ensure same batch numbers are used on a single wall where possible Should not be applied in temperatures below 5°C or above 35°C Not suitable for areas of continual damp or areas submerged in water 	
Transport and Storage	 Store in a cool dark place Keep pail sealed Do not stack over 3 high 	
Disclaimer	ROCKCOTE Enterprises Pty Ltd will not accept responsibility for any misuse of this product or if not applied by a skilled and experienced applicator and in accordance with our technical specifications. Due to our policy of continuing product improvement, ROCKCOTE Enterprises Pty Ltd reserves the right to change these specifications without further notice. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. * WHEN USED AS PART OF A FULL ROCKCOTE SYSTEM.	



ROC COTE COLOURED RENDERS - PAINTED FINISHES Mahurally Beautiful

Description	ROCKCOTE Clearcote is a clear, acrylic finish developed to provide added resistance against water ingress, mould/grime pick up and retention over the complete range of ROCKCOTE finishes. ROCKCOTE Clearcote provides the selected texture with improved performance characteristics, while retaining an aesthetic appeal.	
	Features • 10 year warranty* • Water based • Excellent flexibility • Vapour permeable • Easy to maintain	Benefits High water resistance Long term exterior protection Mould resistant Scuff resistant Easy to use Easy to maintain High resistance to cracking
Uses	 Provides a highly water repellent and mould resistant surface when applied over ROCKCOTE Texture Coatings Can be used as a top coat over ROCKCOTE Coloured Renders and specialist products to provide extra protection Can be used interior and exterior 	
Colours and Gloss	Dries to a clear finish	
Sheen Level	Low Sheen	
Typical Data at 25 °C	and 50% Relative Humidity	
Thinning Coverage Rate Drying Time Touch Dry Dry to Recoat Moisture Control Abrasion Resistance Usual No Coats Packaging Sizes Clean Up Substrate Conditions	other contaminants • All substrates must be installed as pe • Do not apply if air and surface temper	ed substrates that are free of dirt, dust, grime and any r manufacturers' specifications prior to application
Mixing	N/A	
Application	 Should be applied evenly as possible by brush, roller or spray equipment, ensuring complete coverage whilst maintaining a wet edge After application with a medium nap roller it is important to tip off the product to ensure an even appearance and drying Care should be taken not to apply too much product on cut-in areas An 80mm wide roller of medium nap pile should be used for cutting in Allow a minimum of 4 hours between applications See ROCKCOTE's Technical Article on "Cutting In and avoiding picture framing" 	
Safety Data	Refer ROCKCOTE Clearcote MSDS	



ROCKCOTE CLEARCOTE

Precautions and Limitations	 Should not be applied in air and surface temperatures below 3°C or above 35°C Should not be applied over glossy silicone based paints or sealants
Transport and Storage	 Store in a cool dark place Keep pail sealed Do not stack over 3 high
Disposal	 Spilt Material must be absorbed with sand/sawdust and lifted for proper disposal Product must not be allowed to run into drains or open bodies of water Residual small amounts of leftover paint on brushes and rollers should be wiped on to an old newspaper and allowed to dry, rather than being washed down the sink. Dispose of in accordance with local council regulations Suitable for disposal through the RA Industries Reclaimer Portable Paint Wash Recycling System
Disclaimer	ROCKCOTE Enterprises Pty Ltd will not accept responsibility for any misuse of this product or if not applied by a skilled and experienced applicator and in accordance with our technical specifications. Due to our policy of continuing product improvement, ROCKCOTE Enterprises Pty Ltd reserves the right to change these specifications without further notice. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. * WHEN USED AS PART OF A FULL ROCKCOTE SYSTEM.