

## TECHNICAL DATA SHEET



### CHARACTERISTICS

Polymer based – superior flexural strength; resists cracking

Vapour permeable – allows substrate to breathe naturally; resists blisters caused by trapped vapour

Versatile – when ElastaBond® is combined with PrimeKey® and ElastaMesh® the resulting CodeMark® certified TRM WeatherAll® membrane has over 20 standard applications and can be applied to over 30 substrates

Solvent free – compliant with most state and local VOC requirements; environmentally friendly

Water based – cleans up with water

### SUBSTRATE

Surface preparation	Substrate surfaces must be checked to ensure they are free from damage before preparation begins. All surfaces require specialist preparation by Accredited TRM WeatherAll® Applicators in accordance with the TRM WeatherAll® Technical Manual. Following correct surface preparation substrates are able to receive PrimeKey® and subsequent layers of ElastaBond® and ElastaMesh®.
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### APPLICATION

Limitations	ElastaBond® must only be applied to correctly prepared surfaces when surface and ambient air temperatures are between 5°C and 30°C. Temperatures outside this range will affect the curing and drying time potentially making further application of TRM products difficult.
Mixing	Mix ElastaBond® with any general-purpose Portland cement in a ratio of 8-parts ElastaBond® and 1-part cement. Mix in a clean pail, with a clean, rust-free electric drill and paddle until homogenous.
Application	Apply only to correctly prepared surfaces in accordance with the TRM WeatherAll® Technical Manual. Protect from rain, freezing and continuous high humidity until completely dry.
Coverage	Coverages may vary depending on application technique, type of substrate and surface condition. Typical coverage is approximately 9-11 m <sup>2</sup> per pail. The preliminary mesh coat of ElastaBond® should be applied at a minimum WFT of 300µ; the mesh coat is then completed when additional ElastaBond® is applied at a thickness where it fully covers the ElastaMesh®. The second coat of ElastaBond® should be applied at a minimum WFT of 300µ.
Curing / Drying	ElastaBond® dries within 24 hours when conditions are 20°C and 65% RH. Cool, damp conditions extend drying and curing times
Cleaning	Clean up tools and equipment in water immediately after use. Dried material must be removed mechanically
Additional Information	Please refer to the TRM WeatherAll® Technical Manual for further information regarding application and use of ElastaBond®

### DELIVERY

Colour	Raw material: Pale blue Mixed with cement: Dark blue-green
Packaging	10kg in pail

### STORAGE

Conditions	Store in tightly-sealed original container or similar. Protect from temperatures outside 1°C -
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	50°C and direct sunlight.
Life	Quality of ElastaBond is guaranteed until the stock by date, provided it is properly sealed and stored. This date can be identified from the last four digits of the batch code. For example, the batch code EB190830010919 translates to: 09 – September, 19 – 2019

**IDENTIFICATION**

Product group	Waterproofing
Composition	In accordance with VdL (German Paint and Printing Ink Association) guideline: Construction coating materials for buildings, Polymer dispersion, Quartz, Water, Glycol ether, Additive, Preservative

**HEALTH AND SAFETY**

Precautions	Product is water-based. As with any chemical construction product, exercise care when handling. Use adequate ventilation. Safety goggles and protective gloves are recommended. Remove contaminated clothing immediately.
First aid	<u>Skin Contact</u> Wash thoroughly with soap and water. <u>Eye Contact</u> Flush immediately with water for 10-15 minutes and contact a physician. <u>Respiratory Problems</u> Remove affected person to fresh air immediately and contact a physician. <u>Hygiene</u> Wash hands immediately after use. Wash clothing before re-use.
Spills	Collect in an appropriate container. Uncured material may be removed with water.
Disposal	Dispose of in accordance with local or national guidelines.
Warning	KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY.
Additional Information	Consult the Material Safety Data Sheet for comprehensive health and safety information.

**FURTHER INFORMATION**

The information contained in this Technical Data Sheet serves to ensure ElastaBond® is used in suitable situations for its intended purpose. However, it is the responsibility of the user to determine the suitability of its use. The TRM WeatherAll® Technical Manual details the list of substrates and design details suitable for the full TRM WeatherAll® waterproofing membrane system. TRM application must only be carried out by Accredited TRM WeatherAll® Applicators or by suitably trained and experienced tradesmen under the direct supervision of an Accredited Applicator. Uses or applications by those other than Accredited Applicators that fall outside the scope of the Technical Manual must first be approved of in writing by WeatherAll Solutions Limited. When a new Technical Data Sheet is published, all previous versions are deemed invalid. The latest version is available from WeatherAll Solutions' head office.

## TECHNICAL DATA SHEET



### CHARACTERISTICS

Promotes adhesion – when applied to properly prepared substrates

Permeable – allows water vapour and CO<sub>2</sub> to breathe through naturally

Versatile – when PrimeKey® is combined with ElastaBond® and ElastaMesh® the resulting CodeMark® certified TRM WeatherAll® membrane has over 20 standard applications and can be applied to over 30 substrates.

### TECHNICAL DATA

CRITERION	STANDARD / TEST REGULATION	VALUE / UNIT	NOTES
Density	EN ISO 2811	1.4 – 1.6 g/cm <sup>3</sup>	
Diffusion-equivalent air layer thickness	EN ISO 7783	0.21 – 0.32m	V2 medium
Water vapour diffusion-equivalent air layer thickness $\mu$	EN ISO 7783	3.200	
Grain size		500 $\mu$ m	

The characteristic values stated are average values or approximate values. We use natural raw materials in our products, which means the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended purpose.

### SUBSTRATE

Surface preparation	Substrate surfaces must be checked to ensure they are free from damage before preparation begins. All surfaces require specialist preparation by Accredited TRM WeatherAll® Applicators in accordance with the TRM WeatherAll® Technical Manual. Following correct surface preparation substrates are able to receive PrimeKey® and subsequent layers of ElastaBond® and ElastaMesh®.
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### APPLICATION

Limitations	PrimeKey® must only be applied to correctly prepared surfaces when surface and ambient air temperatures are between 5°C and 30°C. Temperatures outside this range will affect the curing and drying time potentially making further application of TRM products difficult.
Mixing	PrimeKey® should be stirred before use to ensure it is homogenous.
Application	Apply only to correctly prepared surfaces in accordance with the TRM WeatherAll® Technical Manual. Protect from rain, freezing and continuous high humidity until completely dry.
Coverage	Coverages can vary greatly depending on the substrate and surface condition. Typical coverage is approximately 33m <sup>2</sup> per pail. Each coat of PrimeKey® should be applied at a minimum WFT of 100 $\mu$ .
Curing / Drying	PrimeKey® is ready for overcoat approximately 12 hours after application under normal [(20°C), 65% RH] conditions. Cool, damp conditions extend drying and curing times.
Cleaning	Clean up tools and equipment in water immediately after use. Dried material must be removed mechanically.
Additional Information	Please refer to the TRM WeatherAll® Technical Manual for further information regarding application and use of PrimeKey®.

### DELIVERY

Colour	Raw material: White/Grey
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Packaging	10kg in Pail
<b>STORAGE</b>	
Conditions	Store in tightly-sealed original container or similar. Protect from temperatures outside 1°C - 50°C and direct sunlight.
Life	Quality of PrimeKey® is guaranteed until the stock by date, provided it is properly sealed and stored. This date can be identified from the last four digits of the batch code. For example, the batch code PK190830010919 translates to: 09 – September, 19 – 2019
<b>IDENTIFICATION</b>	
Product group	Primer
Composition	In accordance with VdL directive (German Paint and Printing Ink Association): on coating materials for buildings, polymer dispersion, titanium dioxide, mineral extenders, silicate extenders, water, glycol ether, aliphatics, thickener, dispersing agent, wetting agents, pH-regulating agents, storage protection agent based on BIT/MIT (1:1), storage protection agent based on bronopol (INN)
<b>HEALTH AND SAFETY</b>	
Precautions	Product is water-based. As with any chemical construction product, exercise care when handling. Use adequate ventilation. Safety goggles and protective gloves are recommended. Remove contaminated clothing immediately.
First aid	<u>Skin Contact</u> Wash thoroughly with soap and water. <u>Eye Contact</u> Flush immediately with water for 10-15 minutes and contact a physician. <u>Respiratory Problems</u> Remove affected person to fresh air immediately and contact a physician. <u>Hygiene</u> Wash hands immediately after use. Wash clothing before re-use.
Spills	Collect in an appropriate container. Uncured material may be removed with water.
Disposal	Dispose of in accordance with local or national guidelines.
Warning	Contains preservatives. May produce an allergic reaction. Contains: 2-benzisothiazol-3(2H)-one, mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 2-methyl-2H-isothiazol-3-one. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY.
Additional Information	Consult the Material Safety Data Sheet for comprehensive health and safety information – available on request.

**FURTHER INFORMATION**

The information contained in this Technical Data Sheet serves to ensure PrimeKey® is used in suitable situations for its intended purpose. However, it is the responsibility of the user to determine the suitability of its use. The TRM WeatherAll® Technical Manual details the list of substrates and design details suitable for the full TRM WeatherAll® waterproofing membrane system. TRM application must only be carried out by Accredited TRM WeatherAll® Applicators or by suitably trained and experienced tradesmen under the direct supervision of an Accredited Applicator. Uses that fall outside the scope of the Technical Manual or applications by those other than Accredited Applicators must first be approved of in writing by WeatherAll Solutions Limited. When a new Technical Data Sheet is published, all previous versions are deemed invalid. The latest version is available from WeatherAll Solutions' head office.

## TECHNICAL DATA SHEET



### CHARACTERISTICS

Flexible – easily wrapped around corners and penetrations; crack resistant

Reinforcing – durable; highly tear resistant

Versatile – when ElastaMesh® is combined with PrimeKey® and ElastaBond® the resulting CodeMark® certified TRM WeatherAll® membrane has over 20 standard applications and can be applied to over 30 substrates

### SUBSTRATE

Surface preparation	Substrate surfaces must be checked to ensure they are free from damage before preparation begins. All surfaces require specialist preparation by Accredited TRM WeatherAll® Applicators in accordance with the TRM WeatherAll® Technical Manual. Following correct surface preparation substrates are able to receive PrimeKey® and subsequent layers of ElastaBond® and ElastaMesh®.
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### APPLICATION

Limitations	ElastaMesh® must only be used with correctly applied ElastaBond®.
Preparation	ElastaMesh® should always be cut to the length and shape required, with all loose and frayed edges removed, before application of ElastaBond®.
Application	Use only with correctly applied ElastaBond® in accordance with the TRM WeatherAll® Technical Manual. Protect surfaces from rain, freezing and continuous high humidity.
Coverage	Coverages can vary greatly depending on the substrate, surface condition and specified design.
Additional Information	Please refer to the TRM WeatherAll® Technical Manual for further information regarding application and use of ElastaMesh®.

### DELIVERY

Colour	White
Packaging	4x50m Rolls in box

### STORAGE

Conditions	Store in dry conditions
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### IDENTIFICATION

Product group	Reinforcing Mesh
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### HEALTH AND SAFETY

Consult the Material Safety Data Sheet for comprehensive health and safety information – available on request.

### FURTHER INFORMATION

The information contained in this Technical Data Sheet serves to ensure ElastaMesh® is used in suitable situations for its intended purpose. However, it is the responsibility of the user to determine the suitability of its use. The TRM WeatherAll® Technical Manual details the list of substrates and design details suitable for the full TRM WeatherAll® waterproofing membrane system. TRM application must only be carried out by Accredited TRM WeatherAll® Applicators or by suitably trained and experienced tradesmen under the direct supervision of an Accredited Applicator. Uses that fall outside the scope of the Technical Manual or applications by those other than Accredited Applicators must first be approved of in writing by WeatherAll Solutions Limited. When a new Technical Data Sheet is published, all previous versions are deemed invalid. The latest version is available from WeatherAll Solutions' head office.