



## BRITPRIMER HD

BritPrimer HD is a high end deep sealing primer, which has excellent mechanical strength, with excellent adhesion even in wet conditions. It forms a highly flexible membrane that has excellent crack bridging and waterproofing properties.

Brit Primer HD can be used on absorbent and less absorbent substrates. Prevents over rapid dehydration of thin bed mortar and levelling compounds, prolongs open time, improves adhesion and prevents shrinkage cracking of covering layers

### - APPLICATION:

BritPrimer HD is ideal for use in pasty construction and tile adhesives whose high adhesive strength is not affected by water or dampness. BritPrimer HD can be used to produce construction adhesives and primers conforming to strict eco-labelling requirements.

BritPrimer HD is best suited for use with the Brit Adhesives range of cementitious tile adhesives as they have a common polymer structure. It is also ideal to use with tile adhesives that conform to EN 12004 and ready-to-use D2 tile adhesives. It is recommended for use prior to the application of all waterproofing systems.

### - PROCESSING:

BritPrimer HD is highly compatible with standard pigments and fillers. When using the dispersion in the preparation of filled, pasty compounds, it is advisable to raise its pH to a value  $> 7.5$  prior to the addition of fillers. Since BritPrimer HD contains no free ammonia, ammonia-free compounds can be prepared by adding KOH or AMP-95®. Because of the low minimum film forming and glass transition temperature an addition of organic solvents or plasticizers is not necessary.

### - TECHNICAL:

Brit Primer HD is a fine-particle 50% dispersion of a styrene/acrylic acid ester copolymer in water. Films based on Brit Primer HD possess high water resistance and excellent adhesion even in wet conditions. Brit Primer HD is also produced without the use of film-forming agents.

Brit Primer HD is a dispersion with optimum combination of high performance and positive ecological aspects. The dispersion is produced without the use of alkyl phenol ethoxylate (APEO) containing compounds, organic solvents and plasticizers.



### TECHNICAL DATA SHEET

Ver. 2.00

(Updated 01/08/18)

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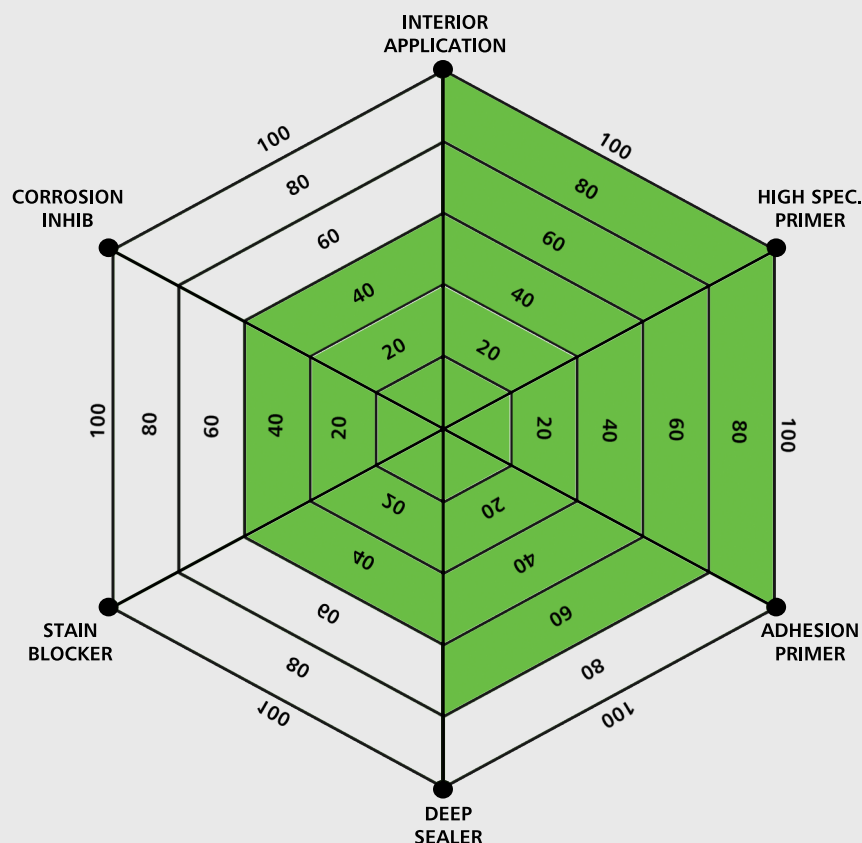
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## - TECHNICAL:

PRODUCT DATA		
Specification Data	Inspection Method	Value
Solids content	DIN EN ISO 325	49 - 51 %
Viscosity, dynamic at 23 °C Measurement condition for the method	DIN EN ISO 2555 Brookfield, spindle 3/20rpm	700 - 3000 mPa.s
pH Value	DIN/ISO 976	7,0 - 8,0
Typical General Characteristics	Inspection Method	Value
Min. film forming temperature	DIN ISO 2115 approx.	0 °C
Predominant particle size	specific method	approx. 100nm
Protective colloid/emulsifier system		surfactants
Compatibility with cement	specific method	incompatible
Appearance of the dispersion film	visual	clear, glossy
Glass transition temperature	specific method approx.	0 °C



### BRITPRIMER HD - CHARACTERISTICS

Polymer - Styrene / Acrylate

Hydrophobic Effect - YES; very strong

APEO - APEO Free

TVOC - Does not contain solvents,  
no need for coalescing aid

Adhesion & Water Resistance - Excellent

Solids Content - 50%

Viscosity - ~1800 mPa s

MFFT - +0°C

Tg - +0°C

Stabilisation - Anionic, surface active  
substances



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### - TECHNICAL:

APPLICATION:	RECOMMENDATION:	SUITABILITY:
Tile Adhesives (EN 12004)	Ready-to-Use D2 Tile Adhesives	Highly Recommended
Primers	High Spec. Primers Adhesion Primers Deep Sealers	Highly Recommended Highly Recommended Recommended
Waterproofing	Membranes with high mechanical strength Highly flexible membranes with excellent crack-over-bridging	Recommended Highly Recommended

### - CONSUMPTION:

The consumption of Brit Primer depends on the porosity and absorption of the substrate. Normal consumption is between 0.15 and 0.25 kg/m<sup>2</sup>.

### - CLEANING:

Tools and containers should be washed at once with clean water. Any remaining residues once dry have to be removed mechanically.

### - PACKAGING:

BritPrimer HD is available in 1ltr and 5ltr plastic containers.

### - STORAGE:

BritPrimer HD can be stored for up to 12 months, in its original unopened packaging. Store in a cool frost protected place. As polymer dispersions may tend to superficial film formation, skins or lumps may be formed during storage or transportation. A filtration process is thus recommended prior to utilization of the product

### - HEALTH & SAFETY:

BritPrimer HD is not considered as dangerous according to the current regulation regarding the classification of mixtures. We recommend to wear protective gloves and goggles and to take the usual precautions for handling chemical products. For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

#### ALWAYS WEAR PROTECTIVE WORKWEAR



WEAR DUST MASK



PROTECTIVE CLOTHING



WEAR SAFETY GOGGLES



WEAR SAFETY GLOVES

NOTES: The information given is without prejudice and is believed to be accurate and complete. BRIT ADHESIVES goods are guaranteed against defective materials but we have no control over the site conditions, misuse of the product or the quality of the workmanship. BRIT ADHESIVES accepts no liability for any direct or indirect consequential loss or damages arising or resulting from the use of this information. Timber subfloors should be installed according to the manufacturers' instructions and site conditions should be taken into consideration.