

DATA SHEET

DATE 01.10.11
VERSION 01

Dukkaboard®

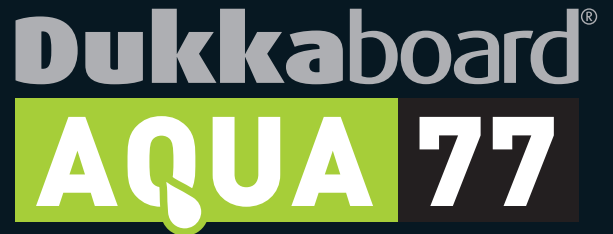
AQUA 77

DUKKABOARD AQUA 77

NEO-FLEX	PRODUCT CHARACTERISTICS
 <p>The image shows two white plastic tubs of Dukkaboard Aqua 77 Neo-Flex. The top tub is labeled '5KG' and the bottom tub is labeled '10KG'. Both tubs have a green lid and a white label with the product name and 'NEO-FLEX' prominently displayed. The labels also contain descriptive text and safety icons.</p>	<p>SOLVENT FREE HIGH ELASTICITY CHEMICAL STABILITY EASY TO APPLY LOW VOC EMISSIONS</p> <p>PRODUCT USAGE</p> <p>Waterproofing of smooth, compact and absorbent substrates before laying ceramic coverings with adhesives:</p> <ul style="list-style-type: none">• Concrete flooring,• Compact and smooth cement-based screeds,• Prefabricated concrete and fresh concrete castings,• Gypsum, plasterboard and gypsum brick walls,• Cement-based plasters and finishing products and cement-lime mortar before application of ceramic coatings using adhesives. <p>Do not use Do not use in external applications, on wet surfaces or substrates subject to moisture rising; in environments where water is always present, baths, swimming pools and tanks.</p>
GENERAL PRODUCT DESCRIPTION	
<p>An organic, water-based, eco-friendly, mineral waterproofing product for absorbent substrates in damp environments, ideal for use in sustainable building. Single-component with very low volatile organic compound emissions. Safeguards the health of both operators and the environment.</p> <p>Dukkaboard Aqua 77 Neo-Flex provides total water-resistance under positive thrust, guaranteeing the protection of absorbent substrates or those subject to damp, or constantly humid environments.</p>	

DATA SHEET

DATE 01.10.11
VERSION 01



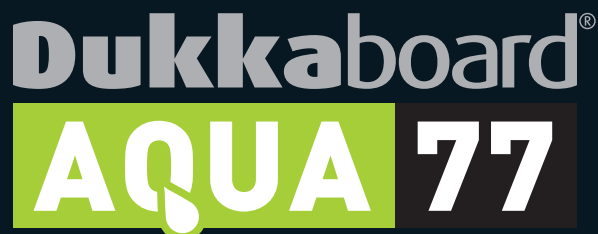
DUKKABOARD AQUA 77

PREPARATION OF SUBSTRATES	INSTRUCTIONS FOR USE																														
<p>Substrates must comply with BS 5385, parts 1-5, be compact, smooth, absorbent, free from substances that reduce adhesion such as dust, oil, grease and with no loose material. Varnishes and paints must be removed completely. Substrates must be stable, non-deformable and with no cracks.</p> <p>Cement-based substrates must have a residual humidity ≤ 2 CM-%. Plasters with a gypsum base must present a residual humidity ≤ 1 CM-%, and screeds with an anhydrite base ≤ 0.5 CM-%, or ≤ 0.3 CM-% if an underfloor heating system is installed.</p> <p>Before waterproofing the substrates must be primed with Pro-Tile Primer, eco-friendly water-based, solvent-free primer, following the instructions for use.</p>	<p>Neo-Flex is immediately ready for use. Before use it is advisable to remix the product inside the container to ensure the mixture is of an even consistency. Any excess adhesive can be kept for later use by sealing the container.</p> <p>Apply a fine, uniform film, preferably using a roller, a steel spreader or a brush. Repeat the operation when the first coat has hardened (≈ 1 h according to the absorbency of the substrate and the temperature). The distinct light blue colour of Neo-Flex allows the user to check if the surface has been completely and evenly covered.</p> <p>For waterproofing of corners and expansion joints with Dukkaboard Aqua 77 Fleece+ applied using Neo-Flex. For external and internal angles and for water and drainage pipeline crossings use special pre-formed pieces applied using Neo-Flex.</p> <p>Tools Spreader, roller, brush. Wash tools with water before the product hardens.</p>																														
<p>TECHNICAL DATA</p> <table><tr><td>Appearance</td><td>Light blue paste</td></tr><tr><td>Specific weight</td><td>$\approx 1,44$ kg/dm³</td></tr><tr><td>Chemical nature</td><td>co-polymers dispersed in water</td></tr><tr><td>Shelf life</td><td>≈ 12 months in the original packaging</td></tr><tr><td>Pack containers</td><td>10 / 5 kg</td></tr><tr><td>Viscosity</td><td>≈ 1100000 mPa · s, rotore 93 RPM 0,5 Brookfield method</td></tr><tr><td>Temperature range for application</td><td>from +5°C to +35°C</td></tr><tr><td>Dilution for base coat</td><td>$\approx 5\%$</td></tr><tr><td>Minimum thickness per coat</td><td>≈ 1 mm</td></tr><tr><td>Minimum dry thickness per coat</td><td>≈ 500 μm</td></tr><tr><td>Waiting time between 1st and 2nd coat</td><td>≈ 1 hr</td></tr><tr><td>Waiting time before laying:</td><td></td></tr><tr><td>Minimum</td><td>≥ 2 hrs</td></tr><tr><td>Maximum</td><td>≤ 48 hrs</td></tr><tr><td>Coverage</td><td>$\approx 1,5$ kg/m²</td></tr></table> <p>Warning protect from frost, avoid direct exposure to sunlight and sources of heat</p> <p><small>Values taken at +23 °C, 50% R.H. and no ventilation.</small></p>	Appearance	Light blue paste	Specific weight	$\approx 1,44$ kg/dm ³	Chemical nature	co-polymers dispersed in water	Shelf life	≈ 12 months in the original packaging	Pack containers	10 / 5 kg	Viscosity	≈ 1100000 mPa · s, rotore 93 RPM 0,5 Brookfield method	Temperature range for application	from +5°C to +35°C	Dilution for base coat	$\approx 5\%$	Minimum thickness per coat	≈ 1 mm	Minimum dry thickness per coat	≈ 500 μ m	Waiting time between 1st and 2nd coat	≈ 1 hr	Waiting time before laying:		Minimum	≥ 2 hrs	Maximum	≤ 48 hrs	Coverage	$\approx 1,5$ kg/m ²	<p>Special Notes On highly absorbent substrates, apply a base coat by diluting Neo-Flex with water depending on substrate absorption (max 5%). After this, apply the second undiluted coat using a steel spreader or roller to ensure the watertightness of the surface.</p>
Appearance	Light blue paste																														
Specific weight	$\approx 1,44$ kg/dm ³																														
Chemical nature	co-polymers dispersed in water																														
Shelf life	≈ 12 months in the original packaging																														
Pack containers	10 / 5 kg																														
Viscosity	≈ 1100000 mPa · s, rotore 93 RPM 0,5 Brookfield method																														
Temperature range for application	from +5°C to +35°C																														
Dilution for base coat	$\approx 5\%$																														
Minimum thickness per coat	≈ 1 mm																														
Minimum dry thickness per coat	≈ 500 μ m																														
Waiting time between 1st and 2nd coat	≈ 1 hr																														
Waiting time before laying:																															
Minimum	≥ 2 hrs																														
Maximum	≤ 48 hrs																														
Coverage	$\approx 1,5$ kg/m ²																														

SAFETY DATA SHEET

DATE 01.06.12

VERSION 01



DUKKABOARD AQUA 77 NEO-FLEX

* 1 IDENTIFICATION OF SUBSTANCE

Trade name	Dukkaboard Aqua 77 Neo-Flex
Application of the substance / preparation	Hydrophobing Agent / Water Repellent
Manufacturer / supplier	Trimline Group Riverside House, Kangley Bridge Road London SE26 5DA Telephone 020 8778 9000
Informing department	Product Safety Department

2 COMPOSITION / DATA ON COMPONENTS

Description	Mixture of the substances listed below with harmless additions
Dangerous components	Void
Additional information	For the wording of the listed risk phrases refer to section 16

3 HAZARDS IDENTIFICATION

Hazard designation	Void
Hazards pertaining to particular dangers for man and environment	Void
Classification system	The classification is in line with current EC lists It is expanded, however, by information from technical literature and by information furnished by supplier companies

4 FIRST AID MEASURES

General information	No special measures required
After inhalation	Supply fresh air, consult doctor in case of symptoms
After skin contact	The product is not skin irritating
After eye contact	Rinse opened eye for several minutes under running water
After swallowing	In case of persistent symptoms consult doctor

SAFETY DATA SHEET

DATE 01.06.12

VERSION 01

Dukkaboard®

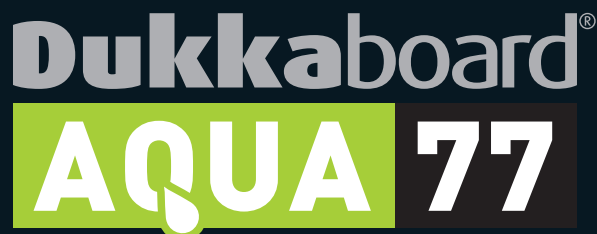
AQUA 77

DUKKABOARD AQUA 77 NEO-FLEX

5 FIRE FIGHTING MEASURES	
Suitable extinguishing agents	CO2, extinguishing powder or water jet Fight larger fires with water jet or alcohol-resistant foam
Protective equipment	No special measures required
6 ACCIDENTAL RELEASE MEASURES	
Person related safety precautions	Not required
Measures for environmental protection	Dilute with much water
Measures for cleaning / collecting	Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust)
Additional information	No dangerous materials are released
7 HANDLING AND STORAGE	
Information for safe handling	No special measures required
Information about protection against explosions and fires	No special measures required
Requirements to be met by storerooms and containers	No special measures required
Information about storage in one common storage facility	Not required
Further information about storage conditions	None

SAFETY DATA SHEET

DATE 01.06.12
VERSION 01



DUKKABOARD AQUA 77 NEO-FLEX

* 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Additional information about design of technical systems	No further data, see item 7
Components with limit values that require monitoring at the workplace	13463-67-7 titanium dioxide (1-2.5%) OES Long-term value: 10* 4** mg/m ³ *total inhalable dust **respirable dust
Additional information	The lists that were valid during the compilation were used as basis
General protective and hygienic measures	The usual precautionary measures should be adhered to general rules for handling chemicals
Breathing equipment	Not required
Protection of hands	Protective gloves
Material of gloves	Rubber gloves
Penetration time of glove material	The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed
Eye protection	Safety glasses recommended during refilling

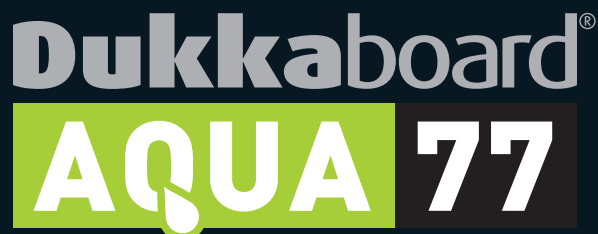
9 PHYSICAL AND CHEMICAL PROPERTIES

Form	Pasty
Colour	Light blue
Odour	Characteristic
Melting point / melting range	Not determined
Boiling point / boiling range	100°C
Flash point	Not applicable
Self-inflamability	Product is not selfigniting
Danger of explosion	Product is not explosive
Density at 20°C	1.48 g/cm ³
Solubility in / miscibility with water	Unsoluble
pH value at 20°C	8.8
Dynamic viscosity at 20°C	74000 mPas
Organic solvent viscosity	0.0%

SAFETY DATA SHEET

DATE 01.06.12

VERSION 01



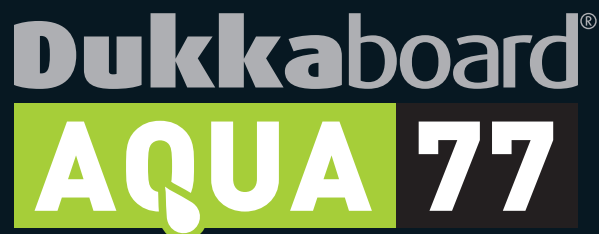
DUKKABOARD AQUA 77 NEO-FLEX

10 STABILITY AND REACTIVITY	
Thermal decomposition / conditions to be avoided	No decomposition if used according to specifications
Dangerous reactions	No dangerous reactions known
Dangerous products of decompositions	No dangerous decomposition products known
11 TOXICOLOGICAL INFORMATION	
Primary irritant effect on the skin	No irritant effect
Primary irritant effect on the eye	No irritant effect
Sensitisation	No sensitising effect known
Additional toxicological information	The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version When used and handled according to the specifications, the product does not have any harmful effects according to our experience and the information provided to us
12 ECOLOGICAL INFORMATION	
General notes	Not known to be hazardous to water
13 DISPOSAL CONSIDERATIONS	
Product recommendation	Smaller quantities can be disposed with household waste
Uncleaned packaging recommendation	Disposal must be made according to official regulations
Recommended cleaning agent	Water, if necessary with cleaning agent

SAFETY DATA SHEET

DATE 01.06.12

VERSION 01



DUKKABOARD AQUA 77 NEO-FLEX

14 TRANSPORT INFORMATION

Land transport ADR/RID (cross border)

ADR/RID-GGVS/E Class

Maritime transport IMDG

IMDG Class

Maritime pollutant No

Air transport ICAO-TI and IATA-DGR

ICAO/IATA Class

* 15 REGULATORY INFORMATION

Designation according to EC guidelines

Observe the normal safety regulations when handling chemicals
The product has been labelled in accordance with EC Directives / relevant national laws

16 OTHER INFORMATION

Contact

Dukkaboard 08701 271300

*Data compared to the previous version altered.