

DONCRETE-T

NATURAL, HYDROPHOBIC, BREATHABLE, FLEXIBLE WATER PROOF RENDER

Conforming to DIN-1048, BS: 8102-2022, EN-1504-9: DIN-18550

PRODUCT FEATURES

DONCRETE-T is a single pack, Natural, Hydrophobic, Breathable, Flexible Waterproof render consisting of OPC, Alcofine, GGBS, Sodium Metasilicate, Sodium Carbonate, Potassium hydroxide, Zinc stearat, Calcium Silicate, Silica flour, Micro Silicate, Quartz sand, Silica sand, Polymer, Redispersible, Defoamer, hydration control additive, viscosity modifying agent and more. **DONCRETE-T** should always be used in conjunction with **DONCRETE- MML** or **DONCRETE- SBR** .

DONCRETE-T application include the waterproofing and protection of basements, bridge decks, tunnels, swimming pools, sewage tanks, retaining walls, foundations, lift shafts, Toilet, Terrace Garden, Roof, OHT and UGT.

UNIQUE FEATURES & BENEFITS :-

1. 100% Water Proofing render.
2. Reliable strength development, even at sub-zero temperatures, gives rapid return to service.
3. Prepackaged material only requires mixing with clean water. Can be bulked out with clean, washed, sharp sand or aggregate.
4. Dense matrix res Wists 10 bar water pressure. Very high diffusion resistance to acid gases.
5. Sulphate resistance to for sewage and wastewater applications.
6. Non-toxic when cured for use in the supply of drinking water.
7. Economic mortar requiring no substrate or inter-layer priming. Part bags can be mixed

COVERAGE

14 Kg @ 10mm for 1.00 m²

28 Kg @ 20mm for 1.00 m²

APPLICATION

DONCRETE-T should be applied to the primed substrate by trowel application. Wherever possible **DONCRETE-T** should be applied on the water pressure side of the substrate in one or two uniform coats dependant on water pressure.

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TECHNICAL DATA DETAILS

Features	Result	Units
Form – one component	Powder	
Density	1.4	
Colour	Grey	
Pack size	25	Kg
Yield per kg	0.53	Litres
Yield per kg – bulked out – maximum	0.92	Litres
Shelf life	12	Months
Pot life @ 20°C & RH of 60%	10	Minutes
Minimum application thickness	5	mm
Maximum application thickness	40	mm
Application temperature	-5 to +55	°C
Service temperature	-10 to +80	°C
VOC content	None	%

Cured Performance	Result	Units	Test Method
Colour	Grey		
Setting time	265 minutes		
Compressive strength – 7 days	15	MPa	BS 4551
Compressive strength – 28 days	25	MPa	BS 4551
Adhesive bond – Class R4	> 2	MPa	EN 1504-3
Carbonisation resistance	Passes		EN 1504-3
Elastic modulus	26.1	GPa	EN 1504-3
Thermal Capability – Part 1 – Class R4	> 2	MPa	EN 1504-3
Reaction to fire	A2-s1, d0	Euroclass	BS EN 13501-1
Depth of Water Penetration After 72 hrs. of Constant Pressure	NIL		DIN- 1048 Part 5
Water Permeability After 28 Days	0.02 - 0.05		DIN- 1048 Part 5

The above data, even if carried out according to regulated tests are indicative and they may change when specific site conditions vary.

Figures are influenced by humidity also and so are indicative.

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APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Before application of **DONCRETE-T** all leaks and water jets must be stopped with **DONCRETE-PLUG** and the surface primed with a coat of **DONCRETE- MML** or **DONCRETE- MB** details on these products see the appropriate data sheets.

MIXING

DONCRETE-T should be mixed using a slow speed drill and paddle slowly adding the contents of a 25kg bag to between 5– 6 litres of clean water depending on the consistency required. Care must be taken when using slow speed drills which can introduce too much air into the mix, they must be used for a minimum mixing time commensurate with obtaining a homogenous, trowelable mix.

PRIMING

The prepared substrate surface should be primed with a coat of **DONCRETE- MML** or **DONCRETE-MB** has cured, it must be thoroughly rewetted and all free water removed prior to the application of **DONCRETE-T** still be 'green' then rewetting will not be necessary.

PRECAUTIONS Do not place when the substrate temperature is below 5°C or when the ambient temperature is 5°C and falling. Protect from frost. Do not exceed the maximum recommended water content and only use clean water. Will not suppress rising dampness.

WORKING TIME

DONCRETE-T has a working time of approximately 30 minutes at 20°C. Mixed material should not be left standing for any length of time prior to application as this will considerably shorten its working life, and may lead to flash setting.

CLEANING

All equipment should be with water immediately after use.

CURING

DONCRETE-T is a cement based product and in common with all such materials must be cured in accordance with good concrete practice. The use of a sprayed on curing aid such as **DONCRETE- WB 6** or **8** (see appropriate data sheet) or wet hessian combined with polythene sheeting is recommended to prevent rapid drying, especially during the early stage of cure.

The system should be allowed to cure for a minimum 5 days at 20°C before subjecting to full service conditions.

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MATERIALS SUPPLIED

20 & 25 kg polythene-lined paper sacks.

STORAGE

Protect from frost and store under dry warehouse conditions at a temperature between 1° C and 80° C.

SHELF LIFE

12 months in unopened bags and stored under good conditions.

HEALTH AND SAFETY

Please consult the appropriate Material Safety Data Sheet prior to using **DONCRETE-T**.

GENERAL GUIDANCE

This data sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical Department.





TECHNICAL COLLABORATION WITH



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