

ForceDry

SCREED DRYING SPECIALISTS

TEL: 07970 213096

ABOUT FORCE DRY:

We offer a specialist 3 component system for use on building projects and construction sites across the UK. Force Dry wet screed *saves* in excess of 40+ days compared to natural drying times. Works without the need for first or second fix plumbing and can achieve fully dry screed in as little as *21 days*.

COMMISSIONING & CONDITIONING



All screed used in conjunction with UFH in order to meet British Standards BS8204-7 and to prepare screed to manufacturers' exact specifications. Another quality assurance standard for your company portfolio.

SCREED TESTING



We provide an accurate status report which can be used as evidence for quality control and give you the assurance to move forward with your project. We also provide a tailored plan to resolve any moisture issues.

TEMPORARY HEAT AND HUMIDITY SOLUTIONS



Our 3 component systems can be used to create ambient conditions on site, even during winter months. Safeguard against adverse weather and damage caused by freezing and acclimatise expensive materials in situ.

OUR EQUIPMENT:

Our equipment is also used to commission and condition dry screed ready for floor finish. We offer independent testing so you can see the current state of play of any screed. We help projects with problem screed get back on track. Fast.

We work with main contractors, sub-contractors and independent builders across the UK. Whether your project spans hundreds of apartments or just one room, we can help.

WE DRY. WE COMMISSION. WE TEST.

- ✓ Delivered and installed onsite as part of a project plan
- ✓ Simple instructions and programme provided
- ✓ Support whenever you need it
- ✓ Works without first or second fix plumbing
- ✓ 21 Day cycle to achieve dry screed
- ✓ Save in excess of 40+ days and get next stage trades onsite faster.



SCREED STANDARDS

In 2021, a key British standard for floor laying was revised: BS EN 1264:2021: Water based surface embedded heating and cooling systems.

WHAT DOES THIS MEAN?

According to Clause 4.2.4, screed should now be heated by conditioning & commissioning before the floor finish is laid: Clause 4.2.4 - Initial heating up of the emission system screeds shall be heated before the floor coverings are laid. The stability of the screed (e.g. cracks) can be seen after cooling down. The underfloor heating pipe manufacturer's instructions should be followed particularly the maximum design temperature which needs to be maintained for a set number of days or follow the guidelines in the Code of Practice. The initial heating up is not to be considered a drying cycle of the screed or aimed to make a thermal shock of the screed. The purpose is to condition the screed. BS 1264 states the process of heating up shall be documented.

ARE YOU COMPLYING WITH THE NEW STANDARDS?



CONSULTATION SERVICES

NOT SURE OF WHERE TO START?

We are now offering a completely independent consultancy service advising you on screed drying and screed commissioning. Ross Verity, Force Dry's founder and director has decades of experience and can make a site visit to discuss your requirements. He will be able to give you recommendations based on what he sees.

As the owner of the UK's leading independent screed drying and testing specialists, Ross will be able to answer any questions you may have and can provide you with information regarding the equipment he advises – there is no obligation to hire the equipment from Force Dry.



TESTING SERVICES

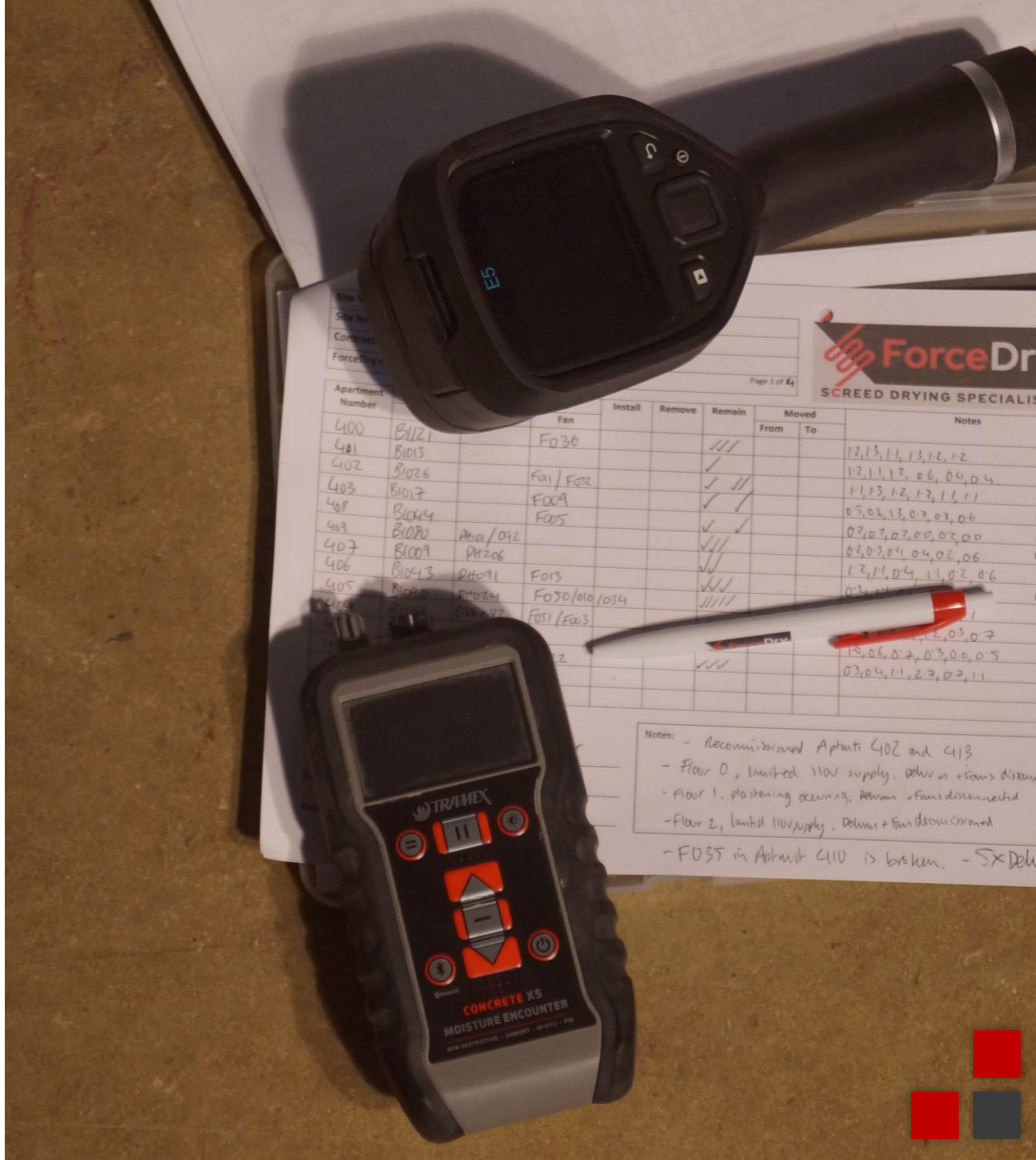
High RH is the most common cause of floor failures. When switched on for the first-time underfloor heating begins to warm the screed which causes any moisture still present to find its way to the surface. Any residual moisture within the screed could be released causing lifting, warping and de-bonding of floor finishes. These can be extremely expensive problems to rectify later down the line – better to avoid by screed testing first.

WHAT DO YOU TEST?

ForceDry test the Relative Humidity within the screed using two different methods. The first is a surface test taken from the top of the screed. The second is an invasive which tests the moisture deep within the screed. This process also records the actual screed depth.
We also offer a thermal imaging service which can map underfloor heating and central heating pipework.

WHAT TO DO WITH THE RESULTS

If the results show the screed is dry ForceDry provide a full report giving the assurance to move forward with a project. If the results show the screed is wet screed the results will be explained along with a suggested course of action to get things back on track in the quickest possible times.



BOILER SPECIFICATIONS



Maximum Power Output	12 KW manually convertible to 10, 8, 6 or 4 KW.
Modulation	12 KW / 10 KW / 8 KW / 6 KW / 4 KW
Fuse requirements	32Amp for 4KW & 6KW. 63Amp for 8KW and above. **All Boilers are 230v**.
Plug	3 Pin Commando Plug
Number and Cross section	3 x 16 (Live + Neutral + Earth)
Water Pressure	Min 0.5Bar (0.05MPa) Max 2.5Bar (0.25MPa)
Nominal	1 Bar (0.1MPa)
Water Temperature	Min 21°C Max 80°C
Water Flow Rate	Min 350litres/hour Nominal 700litres/hour Max 1400litres/hour
Thermal Limit	100°C Radiators 60°C Underfloor
Connected to Manifold	22mm Copper Via a 900mm long braided hose
Depth (mm)	550mm
Width (mm)	530mm
Height (mm)	1100mm
Weight	50kg
Portable	Y
Free Standing	Y

AIR MOVING FAN SPECIFICATIONS



Fan Size	30”
Voltage	110
Fan Dimension	762mm
Watts	350 watts
Plug	16Amp 3 Pin Commando Plug
Air Flow	200 m3 / min
Control	3 Speed Control
Weight	30.2kg
Cable Wrap	Y
Ridged Handle	Y
Free Standing	Y
On/Off Control Via Switch	Y
Portable	Y

SPACE HEATER SPECIFICATIONS



Voltage	415v
Watts	15 KW
Plug	32Amp 5 Pin Commando Plug
Fan Air Volume	1100 m3/Hour
Control	3 Speed Control
Weight	22kg
Height (mm)	530
Width (mm)	5050
Depth (mm)	410
Cable Wrap	Y
Ridged Handle	Y
Free Standing	Y
On/Off Control via Switch	Y
Portable	Y

COMPANIES WE WORK WITH

WMS UNDERFLOOR HEATING

B&K Systems TOTAL FLOOR & WALL SOLUTIONS

Wates

VMA SERVICES

Tolent

TARMAC A CRH COMPANY

SES ENGINEERING SERVICES

MULTIPLEX

KIER

mace

GallifordTry

JJ Rhatigan Building Contractors

G&H GROUP OF COMPANIES

ELLMER

CaddickConstruction

Berkeley Group

READ OUR CASE STUDIES HERE.



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