Determinination of Damp

- *5, 6.....7 Senses*
- *Endescopes – Traditional and Extendable Video*
- *Moisture Meters..... Pin Type*
- *Capacitance Meter – Radio Frequency*
- *Hygrometer Applications, Floor Units etc*
- *Deep Bore Probes*
- *Speedy Meter – Calcium Carbide Meter*
- *Salts Analysis*
- *Wall temperature Guns*
- *Thermal Imagery*
- *Data Loggers*
- *Finally last resort and one sure and exact way ..... Laboratory Testing*

hqn
teamnet



- *What Equipment Do You Take ?*

hqn
teamnet

PROTIMETER INSTRUMENTS

More protimeter instruments ›



Protimeter Mini

£124.00 exc. VAT
£148.80 inc. VAT



Protimeter Digital Mini - NEW

£149.00 exc. VAT
£178.80 inc. VAT



Protimeter Aquant - NEW

£248.00 exc. VAT
£297.60 inc. VAT



Protimeter Surveymaster - NEW

£329.00 exc. VAT
£394.80 inc. VAT



Protimeter Timbermaster Standard - NEW

£232.00 exc. VAT
£278.40 inc. VAT



Protimeter Timbermaster Plus - NEW

£303.00 exc. VAT
£363.60 inc. VAT



Protimeter Hygromaster2 c/w Hygrostick - NEW

£378.00 exc. VAT
£453.60 inc. VAT



Protimeter Hygromaster2 c/w Quikstick - NEW

£378.00 exc. VAT
£453.60 inc. VAT



Protimeter MMS2 Basic Package

£676.00 exc. VAT
£811.20 inc. VAT



Protimeter MMS2 Basic Survey Package

£847.00 exc. VAT
£1,016.40 inc. VAT

Electronic moisture meters

Pros	Cons
Accurate **quantitative** readings in timber	Relative/qualitative readings in masonry/plaster
Fast **qualitative** readings for profiling many plaster and masonry	Subject to widespread misuse
Easy to use	Credibility on-site often misplaced
Offers moderate credibility on site	Can over-read due to salt contamination and less common causes.
Cheap to buy	Cannot be used for diagnosis to BRE245
Offers instant results	Interpretation of test results requires training and experience
Can be used with deep wall probes and hammer electrodes	
Many offer radio frequency or capacitance mode for below surface readings (without damage).	
Many offer Psychrometric measurements for condensation and mould inspections	
Non-destructive	



This meter can instantly calculate vapour pressure, air temperature, dew point, surface temperature and it can wirelessly link to the authors thermal imaging camera, overlaying real-time data within the thermogram.

hqn
teamnet

PROTIMETER DIGITAL MINI MOISTURE METER

Pin-type measurement
Industry standard pin-type measurement allows the user to quickly assess the moisture content within building materials

'Traffic light' scale
Coloured LEDs (green for 'dry', yellow for 'at risk', red for 'wet') indicate the moisture level quickly and clearly. Also includes numerical digital display

Simple operation
Incredibly simple, two button operation provides fast and accurate readings



Measurement range
6-90% represents the moisture content of wood (%) and the WME (wood moisture equivalent) within other construction materials

Free accessories
Comes with carry pouch, instructional documentation, an extension lead for accessing tricky areas, wrist lanyard and a calibration checking device

Specifications

MOISTURE MEASUREMENT RANGE	7.9% to 99% WME (pin measurement) Dry (green)-7-16.9 At Risk (yellow) 17-19.9 Wet (red) – 20-99.9
DISPLAY 1	Digital LCD backlit
DISPLAY 2	60 LEDs green (dry), yellow (at risk) and red (wet)
DEPTH OF MOISTURE	Pin up to 0.5 in (12.7mm)
POWER	9V battery (supplied)
WEIGHT	8 oz (including battery)
DIMENSIONS	7.5 in x 2.75 in x 1.9 in (190 mm x 70 mm x 49 mm)



Why Treat Damp Meters With Caution ?

- *Calibrated to Woodwork*
- *Affected by Salts.....*
- *Density*
- *Anything which conducts electricity*
- *Carbon*
- *Surface Condensation*

hqn
teamnet

Profiling

	Penetrating damp	Rising damp	Condensation	Foil behind the surface (wall is dry)	Plaster Bridging	Active rising damp just started
1.200mm	90% wme	8%	45%	100%	12%	9%
900mm	70%wme	20%	35%	100%	9%	9%
600mm	40% wme	80%	45%	100%	12%	12%
300mm	9% wme	85%	16%	100%	17%	85%
150mm	8%wme	90%	34%	100%	98%	98% (see patch)
Skirting board	4%wme	64%	24%	4%	64%	45%

hqn
teamnet

Diagnosing Damp













hqn

teamnet






6.1

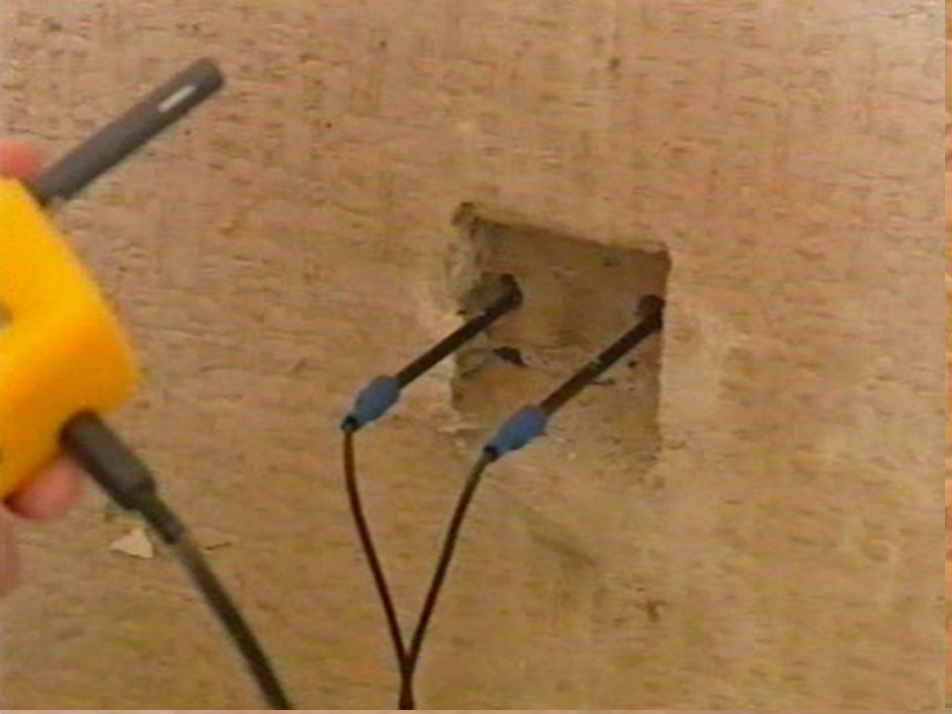

123








668







hqn

teamnet

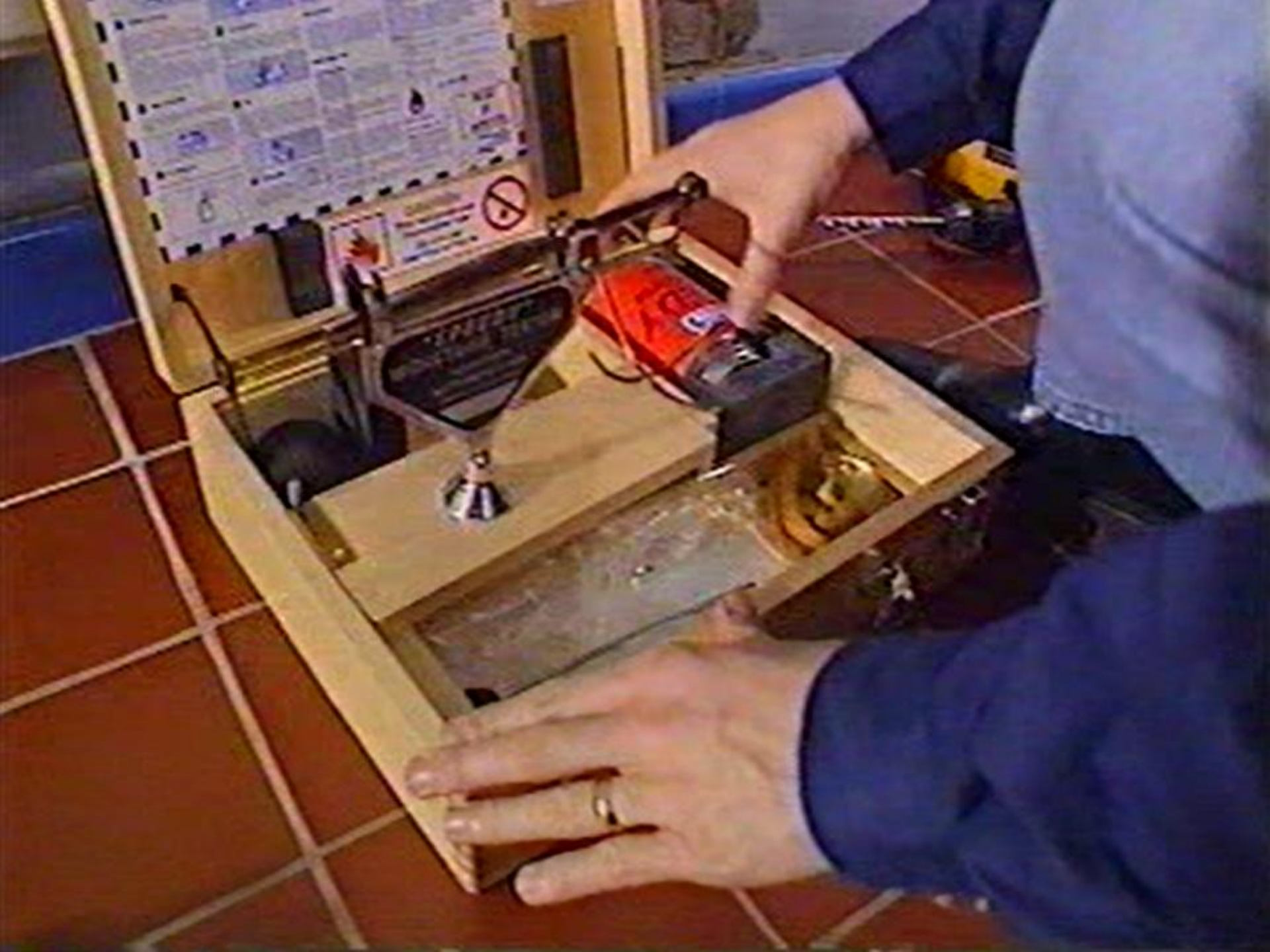
Chemical moisture meters – (speedy), for use in damp diagnosis – pros and cons

Pros	Cons
Accurate **quantitative** readings (total moisture content as percentage by wet weight)	Requires specialist calibration for scales and the gauge
Fast for 'one off' readings	Very slow for profiling with only consecutive test results – one after the other.
Offers good credibility on site	Credibility on-site often misplaced
Easy to use	Harmful/explosive gas emissions
Offers access to diagnosis to BRE 245 if used in the lab	Subject to widespread misuse
	The sample is destroyed in the process
	Cannot practically be used for BRE 245 diagnosis of multiple samples (too slow).
	Interpretation of test results requires training and experience
	Destructive, especially for profiling
	Requires separate samples for hygroscopic %mc to be determined
	Many reading uses lots of reagent which is expensive, harmful and wasteful.





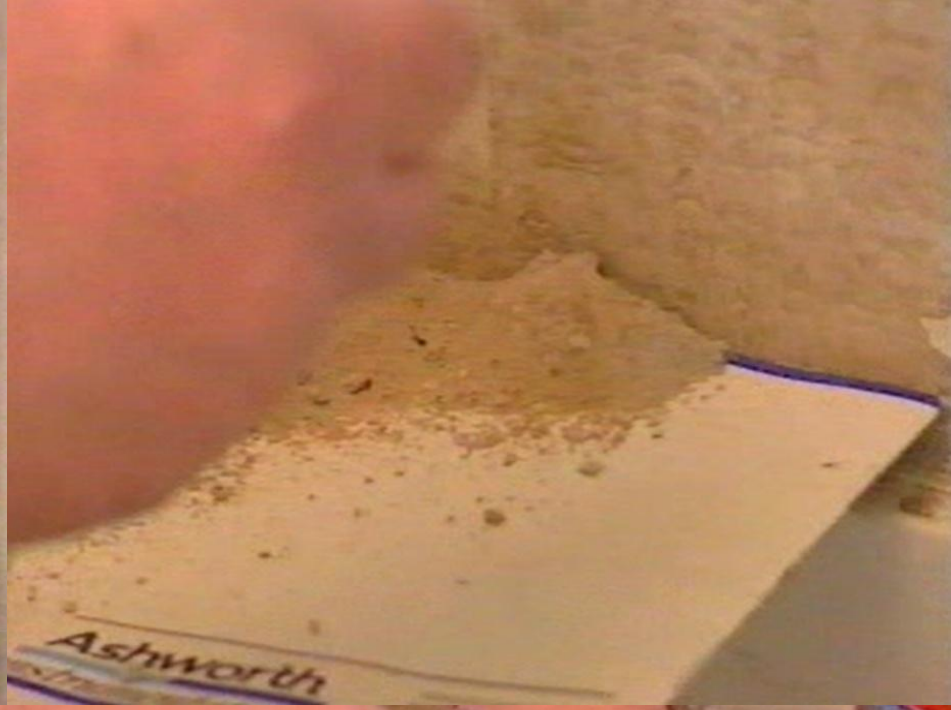











Ashworth

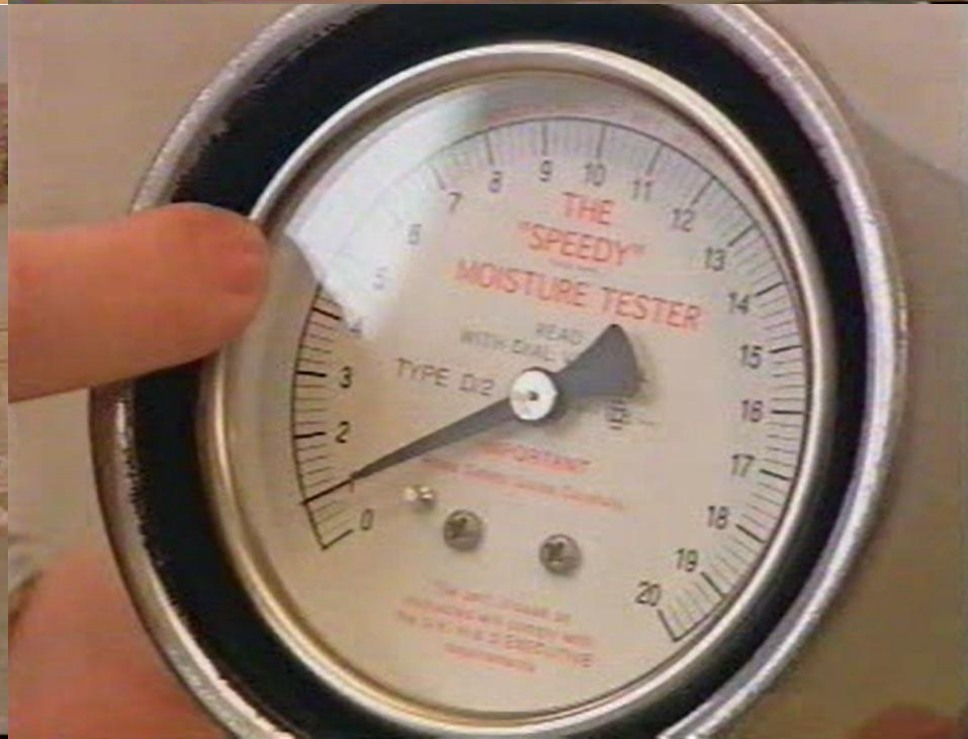





SPEEDY


SPEEDY




THE
"SPEEDY"
MOISTURE TESTER
TYPE D/2
0
2
3
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

Very simple and takes just a few minutes
A colour change will indicate whether or
not certain nitrates and chlorides are present



Protimeter Salt Analysis

Determine the presence of electrically conducting salts contamination on site



The Protimeter Salt Analysis kit enables a surveyor to analyses samples of wallpaper and plaster for the presence of soil salts.

Certain nitrates and chlorides are deposited by evaporation of soil-water (rising damp) on the surface of walls. A meaningful analysis can therefore be carried out provided a wall has not been disturbed for several years.

It consists of two chemicals packed in sachets of the correct amount for each test, a bottle of distilled water, and two measuring beakers.

The test is very simple and takes just a few minutes. A colour change will indicate whether or not certain nitrates and chlorides are present.

The diagnosis of the origin of salts should not be made on the presence of salt alone, but considering other information available such as the moisture distribution within the building. A high reading of nitrates may signify that evaporation of soil water has continued for a long time. Soil salts are hygroscopic.

114
G+

Protimeter Salts Analysis Kit

Model: BLD4900

Supplied with:
+ Nitrate No 1 - 10 Tablets
+ Nitrate No 2 - 10 Tablets
+ Chloride - 10 Tablets
+ Plastic scoop
+ 10cc Measuring beaker
+ 60cc Measuring beaker
+ Bottle of De-Ionised water
+ Instructions
+ Large carrying case

Price: £75.00
ex VAT

List price: £75.00

Price: £90.00 Incl VAT

Add to Cart

Protimeter Salts Analysis Refill Pack

Model: BLD4901

Supplied with:
+ Nitrate No 1 - 10 Tablets
+ Nitrate No 2 - 10 Tablets
+ Chloride - 10 Tablets

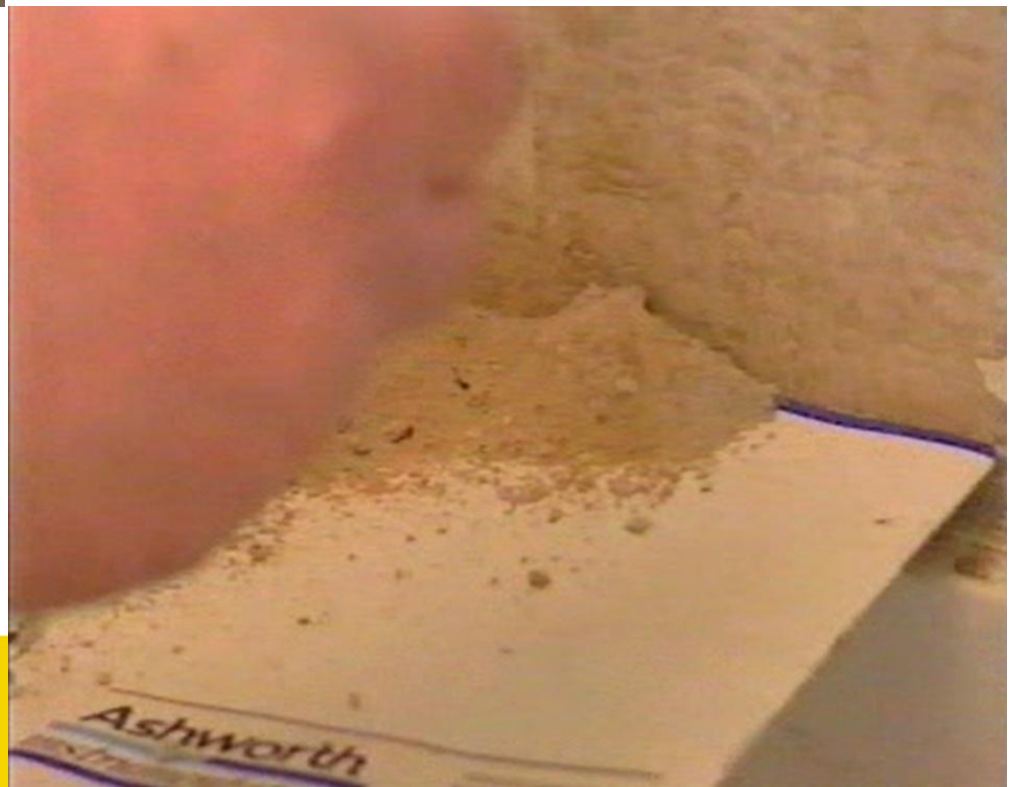
Price: £49.00
ex VAT

List price: £49.00

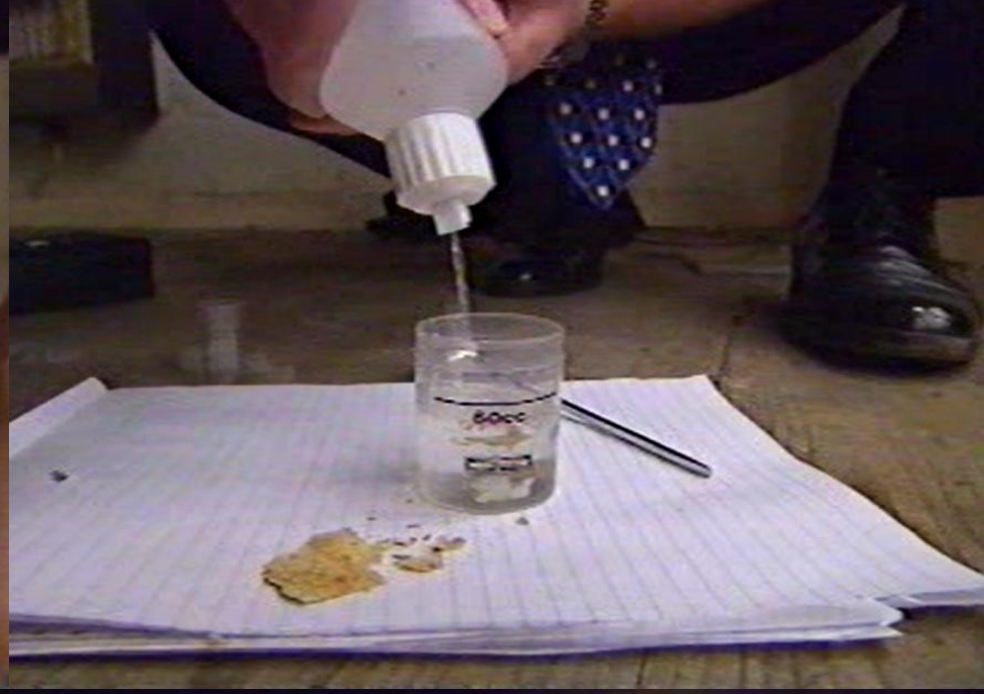
Price: £58.80 Incl VAT

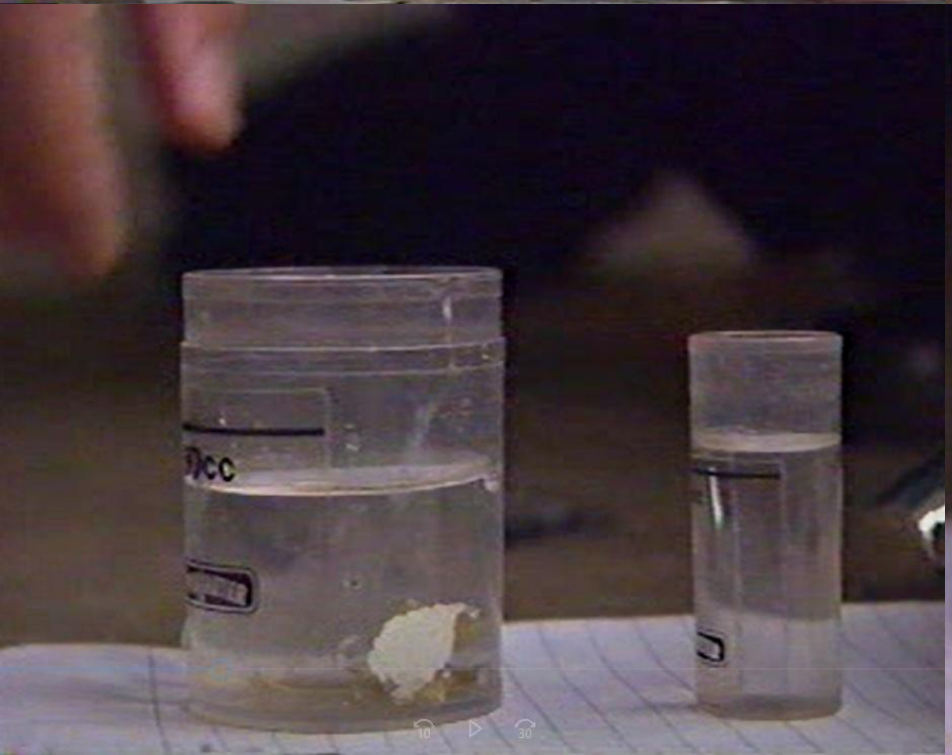
Add to Cart

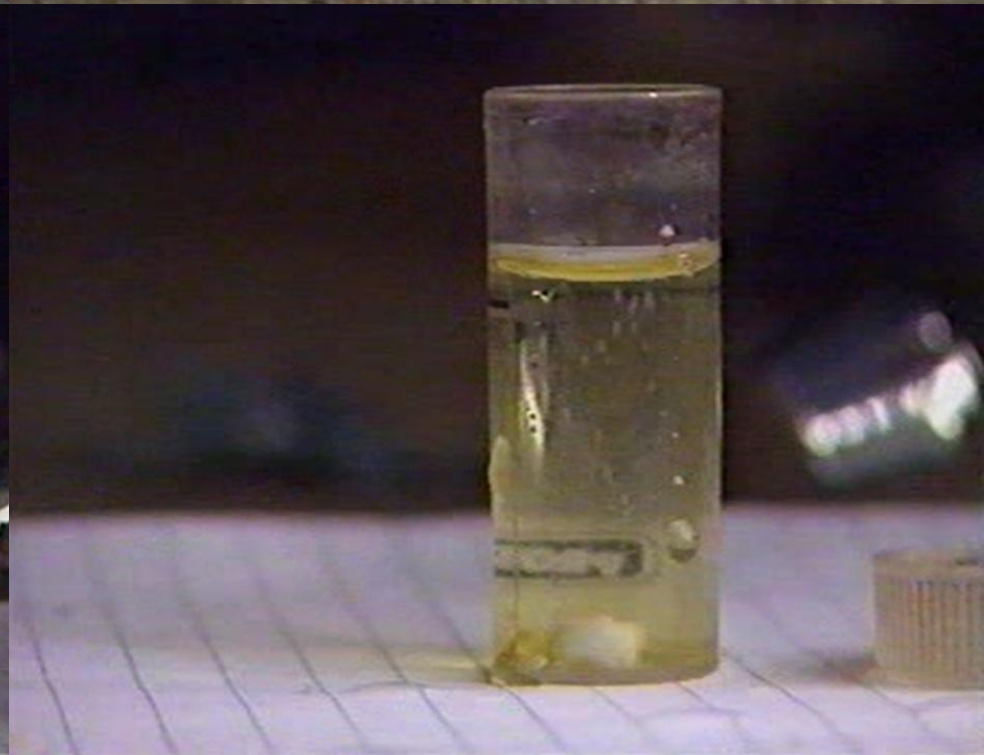



Ashworth


DISTILLED
WATER
60cc


60cc











hqn

teamnet



