

STORM PLASTICS LIGHTNING FLASH

TECHNICAL NOTES

A WELL DESIGNED DRAINAGE SYSTEM WILL BENEFIT YOU AND THE ENVIRONMENT.

All soils are affected by water, clay soils in particular react physically. They swell and shrink with changes in moisture content.

Maintaining absolute stability of the moisture in the soil around a building, be it a house or shed, is rarely achievable but much can be done to control and minimise the effects.

Adopting a "risk management" philosophy in such circumstances could well prevent litigation at a later date.

Qualified Geotechnical (soil) Engineers are able to assess the potential for any soil type to react to variations in moisture content. Such

assessments require samples of the soil at the site to be taken and given engineering assessment in accordance with the Australian Standard AS2870-1996.

Results from site testing are collated and transferred into easily identifiable Site Classifications.

It is a mandatory requirement that all builders obtain a "Soils Report" from a qualified Soils Engineer prior to commencing on-site structural works.

SITE CLASSIFICATIONS in brief.

A, Little or no movement.

S, Slightly reactive.

M, Moderately reactive

H, Highly reactive.

E, Extremely reactive.

P, Applies to "Problem Sites", eg. filled soil or potential to collapse, special provisions apply.

From a dry state to a saturated state Class "M" may move 50mm — Class "H" 80mm and Class "E" 110mm.

For allotments containing reactive soils classified as H,E,H-D or E-D it is a mandatory requirement for compliance with AS2870-1996, Section 5, Clause 5.5.4 that flexible connections be provided adjacent to the footings prior to connection to the drainage system.

Inside this issue:

Technical Notes	1
Watermark & ISO9001	1
Product Quality	1
Contact Details	2
Photo Competition	2
How well do you know your Standards?	2
Our Banner, available for trade displays.	2

- Special points of interest:**
- Our Watermark number WMK 20081 to MP52, Spec 005
 - Our ISO 9001 number 1274
 - The photo competition is now on, details on page 2.
 - New markets opened in North Queensland.. Welcome to TGT Pty Ltd, a Plumbtec Store in Mareeba and Ravenshoe Hardware,, guess what town they are in.
 - We will be closing for the Christmas break at 12 noon on Friday the 21st of December and will open again on the 7th of January 2008.
 - Thank you for your business in 2007

QUALITY PRODUCTS FOR OVER FIFTEEN YEARS



Where ever you see this Logo you can be assured of quality products by a Quality Assured Company.

Our factory is constantly monitored by the relevant testing authorities for raw materials, manufacturing

procedures and product measuring and testing for compliance with the necessary standards to maintain our Watermark LN20081 and our ISO 9001 licence number 1274

Fifteen years in the field and still going strong!!!!!!

Storm Plastics (QLD) Pty Ltd



**STORM PLASTICS, THE PEOPLE
WITH
THE PROBLEM SOLVING PRODUCTS**

Unit 40
388 Newman Road, GEEBUNG Q 4034

Phone: 07 3865 4811
Fax: 07 3865 4877
Email: qld@stormplastics.com.au

Learn more about our products

LOG ONTO OUR WEBSITE

WWW.STORMPLASTICS.COM.AU

PHOTO COMPETITION

We have seen heaps of photos in the past showing broken pipes, fittings and structures caused by soil movement and have decided to have a photo competition to show the Industry and enlighten Plumbers of the vicious effect this can have on your drainage system.

Email us your before and after shots of how you solved a soil movement problem in an existing drainage system by using Storm Plastics Swivel or Expanda Joints.

We are interested in seeing photos of new work as well using our problem solving products but it is only repairs to existing drainage work that will be eligible to be included in this competition.

Please advise on your email that you authorise Storm Plastics to use your photos for future publications, promotions or PowerPoint presentations.

Competition will close on the 28th of March 2008 and will be independently judged by a prominent person within the Industry who will not have access to the name of the entrant unless it appears in the photo. This competition is only open to licensed Plumbers/Drainers or their Apprentices.

Prize will be participating restaurant or store vouchers to the value of \$200.00

If you do not wish to receive further editions of The Lightning Flash, please advise by email with the word "unsubscribe" in the subject line.

MR. PLUMBER, ARE YOU UP TO DATE WITH THE AS/NZS STANDARDS ?

You have heard of OILS AIN'T OILS, well Soils ain't Soils, Watermarks ain't Watermarks and Standards ain't Standards!!

Oils ain't oils was the saying in an old TV ad meaning that there were various types of oil for your engine.

Soils ain't soils means there are various types of soils that move and react in different ways to moisture variations.

Some soils in some conditions can move up to 110mm and raise the concrete slab and the corner of a house to such an extent that the slab may crack, the external bricks come apart and the cornice and internal walls be destroyed. You can easily see the above-ground damage but think what it does to the poor old sewer pipes under the ground; cracks the bends, cracks the junctions and shears the pipe off at the

slab. SOILS AIN'T SOILS.

See reference to AS2870 –1996, Section 5, Clause 5.5.4 under Technical Notes in the last paragraph of the previous page.

So what flexible connection would you fit adjacent to the slab? A fire hose is flexible, it has a Watermark, it is approved to AS/NZS 1221. A stainless steel braided hose is a flexible connector, it has Watermark and approved to AS3499 and some available in 100mm Why not use them?

Because Watermarks ain't Watermarks and Standards ain't Standards!!!

HOW WELL DO YOU KNOW YOUR WATERMARKS AND STANDARDS?

Rely on the proven PVC product for gluing to PVC pipe with PVC blue glue.

Only rich people can afford to buy cheap products.

Storm Plastics Expanda Joints and Swivel Expansion Joints are Watermarked and approved to the Sanitary and Drainage Standard MP52 Spec.005.

STORM PLASTICS
Australia
Undergroud Solution Specialists
For Reactive Soils

EXPANDA JOINT
EXPANDA JOINTS can extend 150mm (Expands & contracts 75mm)
Ideal for repairing broken pipes

SWIVEL JOINT
DWV SWIVEL JOINTS M & F
100mm allows 50mm movement
150mm allows 20mm movement

Footings
Allow some heaving
swivel joints
expanda joints
HEAVE
(dry area)
Typical installation example

WaterMark
AS/NZS
www.stormplastics.com.au