



Advanced Polymer Systems (USA)

Cyprus Industrial building - Leaking pipe Project

By ENECON Mesogios Ltd



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Where & When:

Nicosia, June-July 2016

Client:

Transport & Logistics

Problem:

Plastic pipe inside column created many leaks in below office space.

Challenge:

Find the cause & proceed with most appropriate products.

ENECON products used:

ENECRETE DuraQuartz ([link to tech sheet](#))

ENESEAL HR ([link to tech sheet](#))

ENESEAL CR ([link to tech sheet](#))



Steps of repair



Our repair consisted of:

- Uncovering related column (done by contractor)
 - Clean all loose wall material and removed broken pipe connection
 - Primed exposed rebar with ENESEAL CR
 - Do repairs with DuraQuartz
 - Sealed with ENESEAL HR
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The problem!

The area of the connection of the 2 pipe parts was not done properly and leaks were created especially when it was raining. Due to the limited space, we decided to permanently fit a new connection pipe inside existing with DuraQuartz.





Exposed rebar was coated with ENESEAL CR (corrosion inhibitors) to stop further corrosion of metal.

Ground floor was dug in in order for new pipe to be buried with DuraQuartz.





New pipe connection was sealed inside existing pipe (pipe in pipe system) using DuraQuartz 3 component polymer.

Area to accept new pipe is primed with 2 component polymer for excellent adhesion.







Everything was sealed with ENECRETE DuraQuartz by ENECON.

Additional cracked areas on column was rebuild with this 3 component polymer





Areas ready to accept ENESEAL HR elastomer polymer (white) for extra protection.

Project completed. We also applied necessary repairs and 2 coats of ENESEAL HR on the whole containment area. (ανθώνας)



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