

## Subject: New information on the sand required for the FDi Disinfection Filter

April 6 2009 - In order to ensure quality sand supplying, PTE details the sand specifications required for integration into the FDi Disinfection Filter :

- ✓ D10 = 0.15 to 0.5 mm;
- ✓ CU = Inferior to 5;
- ✓ Particles smaller than 80 microns = max 4.0%
- ✓ Particles bigger than 2.5 mm = max 20%
- ✓ Characterization must be performed in accordance with BNQ 2560-040 / -350 considering BNQ 2560-010/ -015, and BNQ 1530-060 complementary norms.

\* Please note that following this update on our window of specifications, no deviation from these specifications will be tolerated.

It is the installer's responsibility to make sure that the supplied sand meets the required specifications. As for every installation site and following consultant/auditor BNQ/municipal inspector request, the installer is also under the obligation to get an attestation of the quality of the sand from the sand pit and give it to the site engineer. PTE recommends that installers take and keep a sample of sand for each FDi installation that they perform to be able to demonstrate that the material put in place meet FDi requirements. PTE also informs you that in accordance with the BNQ certification and protocol for FDi installations, PTE and the BNQ will carry out audits at the sand pits and FDi installation sites. Every installation that does not meet the specifications detailed above will be considered non-compliant.

### Parameters shown in the grading analyse report

A grading analyse report must contain, at least, the following statements:

#### Identification – Complete and clear information, including:

- Customer's name;
- Sandpit's name;
- Reserve's name or number;
- Current year dated report.

#### Characterization - The following information has to be clear and readable:

- The results of the sifted fractions according to the BNQ standards.
- Obtained values for the 2.5mm and the 80µm fractions;
- The  $d_{10}$ ;
- The  $d_{60}$
- Uniformity coefficient (Cu)