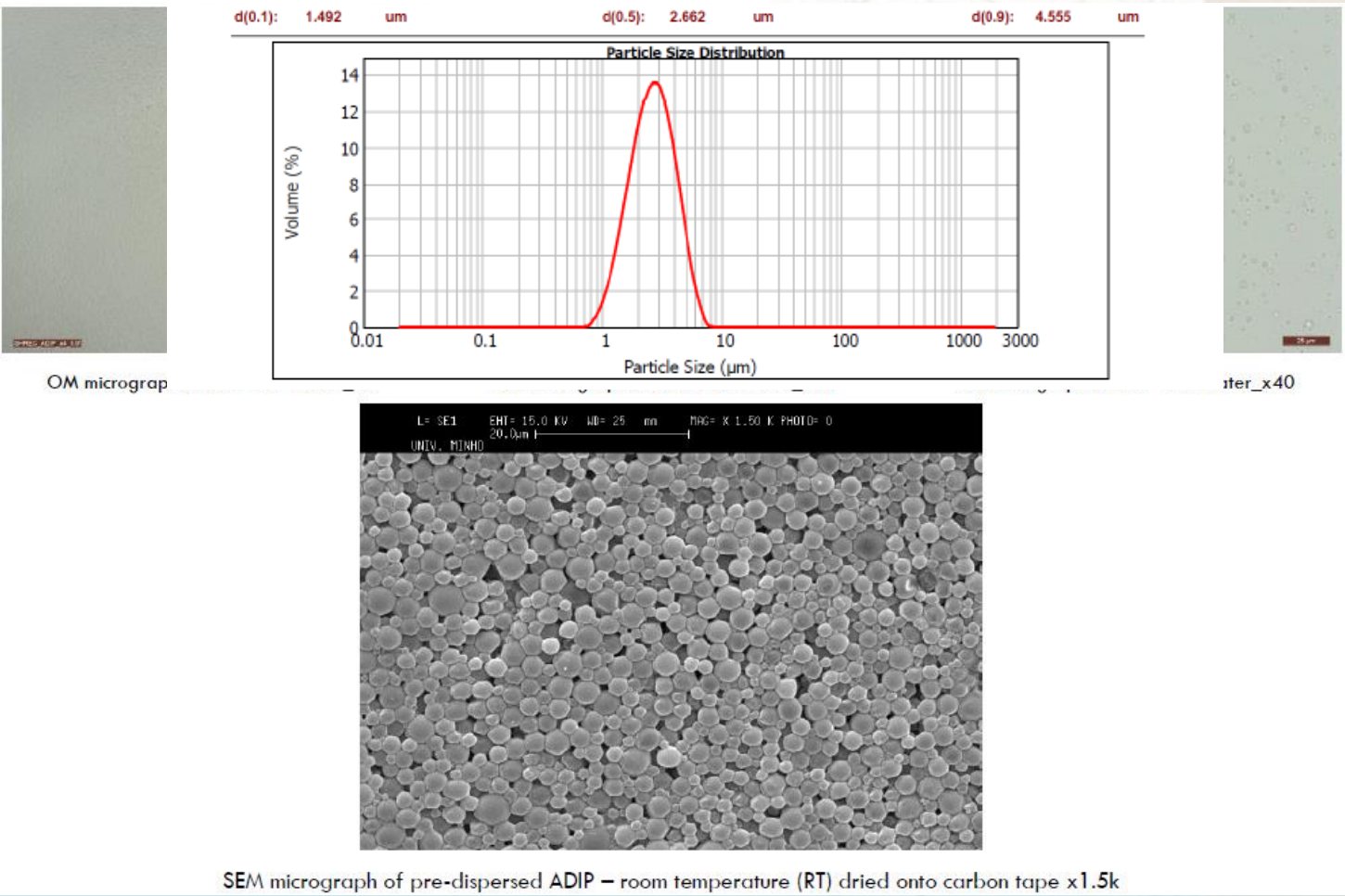


Encapsulation technology for self healing materials

SIM User forum 21.10.13

Dr. Maxime Durka
Devan Chemicals

What is a microcapsule?



SEM micrograph of pre-dispersed ADIP – room temperature (RT) dried onto carbon tape x1.5k

Why using microcapsules?

- Protect?
- Release?

Do you (really) need microcapsules?

- Make a scientific paper?
- To create a value?
- To obtain a unique property?

Do you (really) need microcapsules?

- Sure?

OK so

One doesn't fit all

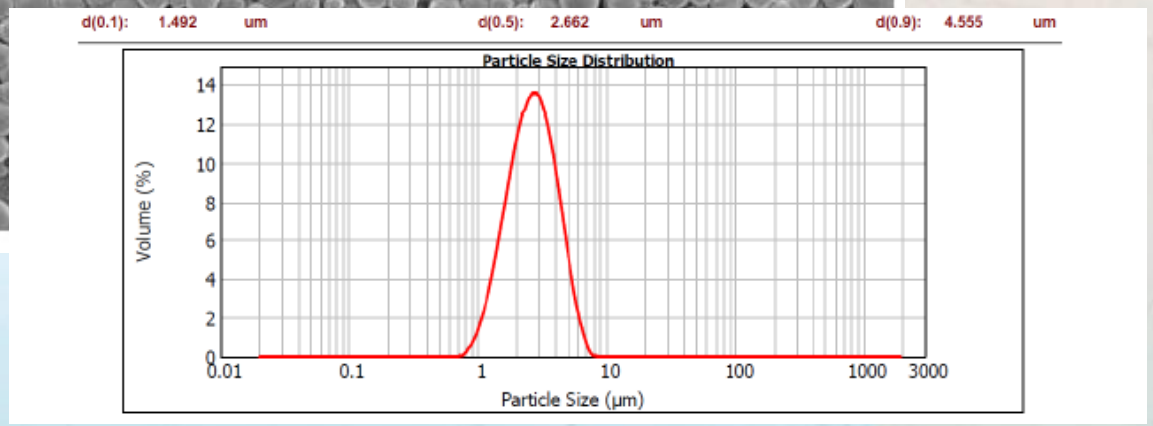
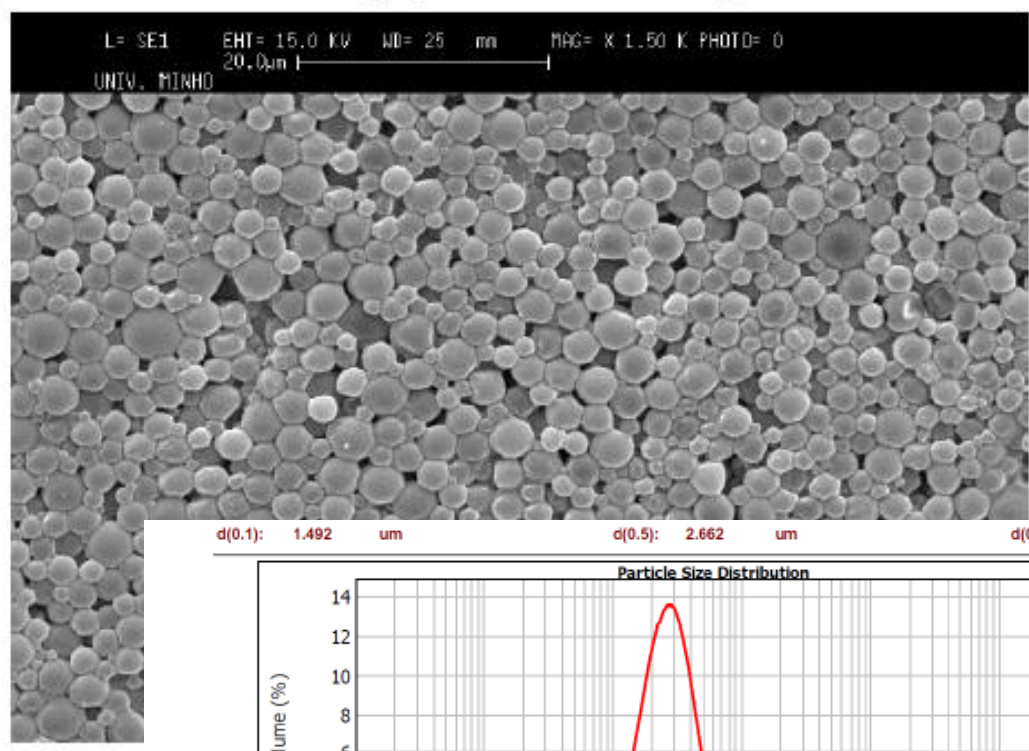
Example 1: SHREC project

Coatings:

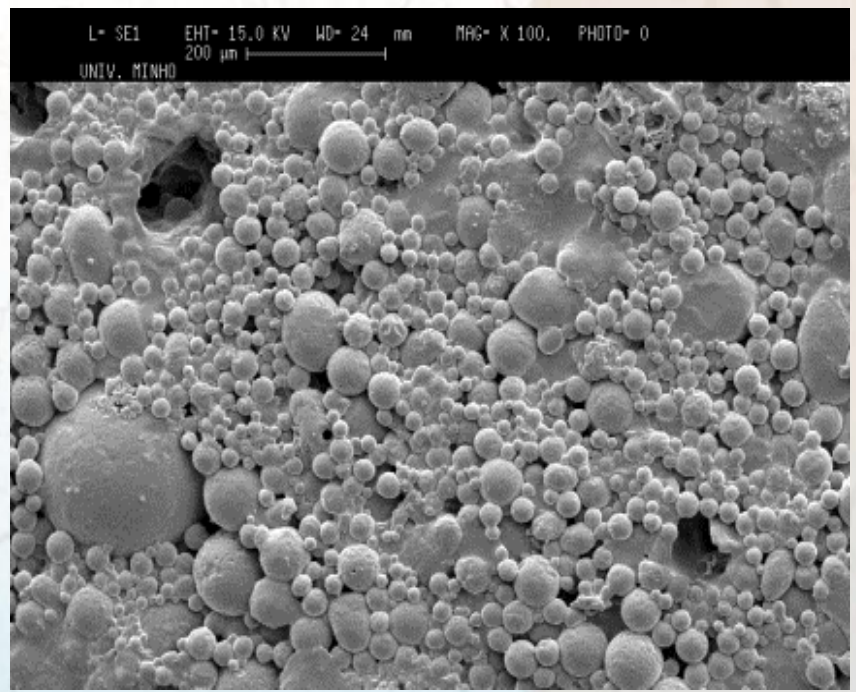
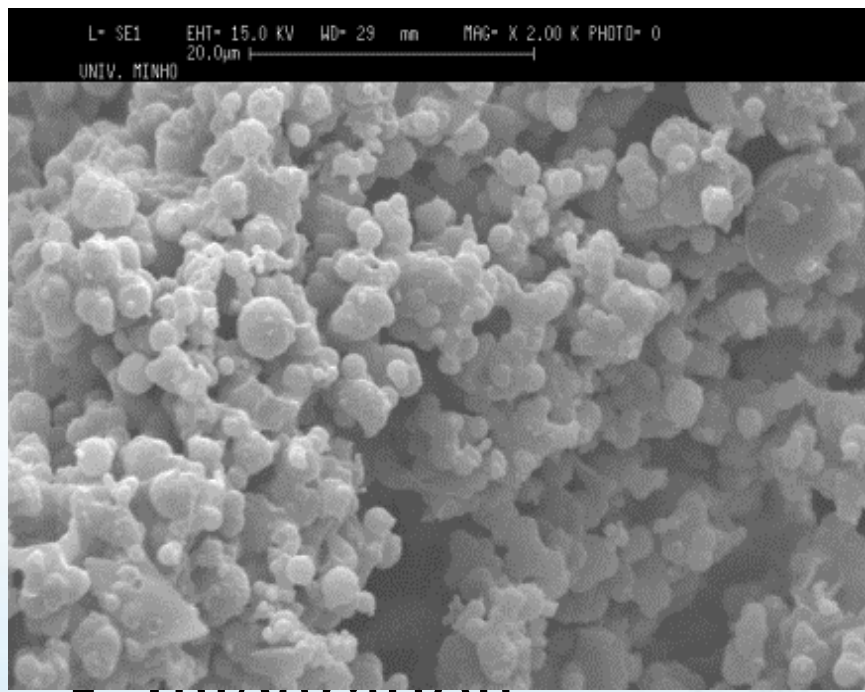
- Size
- Prot
- Rel

Technical

Results:



Example 2: PURepair



• Integration

What else?