

CERAMIC AND COLLOIDAL PROCESSING - EXERCISES

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Exercises 14

1. How de-sintering or swelling can be detected? Why does it happen?
2. Which instrument can be applied to identify an appropriate sintering strategy?
3. Which material properties are of major relevance in case co-firing of different ceramics?
4. Describe which forces are involved in the dip and spin coating deposition
5. Describe the main differences between chemical and physical vapor deposition
6. Which material properties are of major relevance in case of metal-ceramic joining?
7. Provide an example of ceramic coating and a suitable method to realize it.