ELASTIC LAYERS

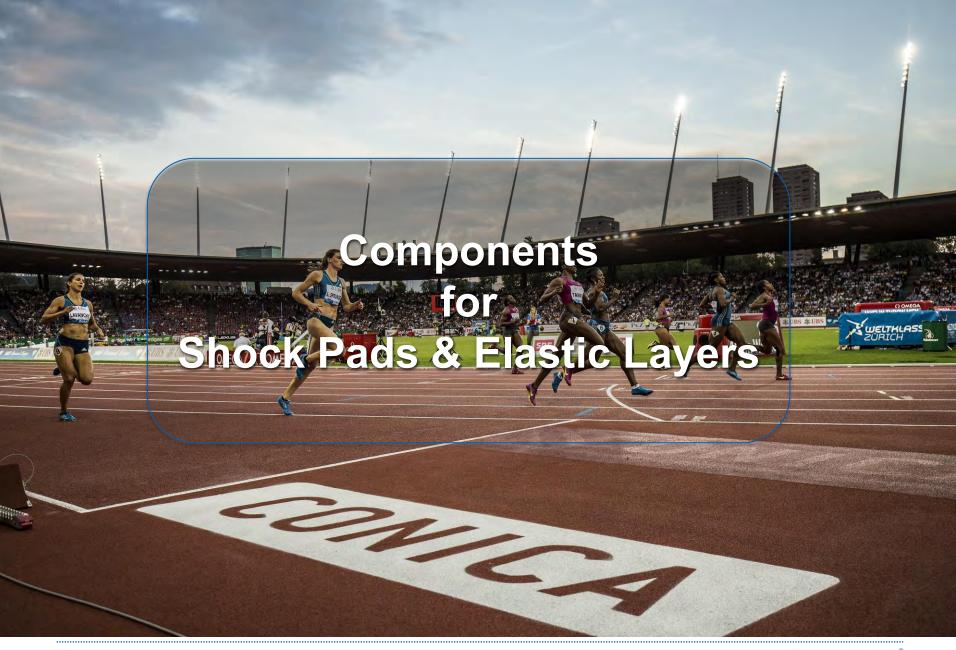




San Francisco 9.10. – 10.10.2014



Jürgen Widler CONICA AG



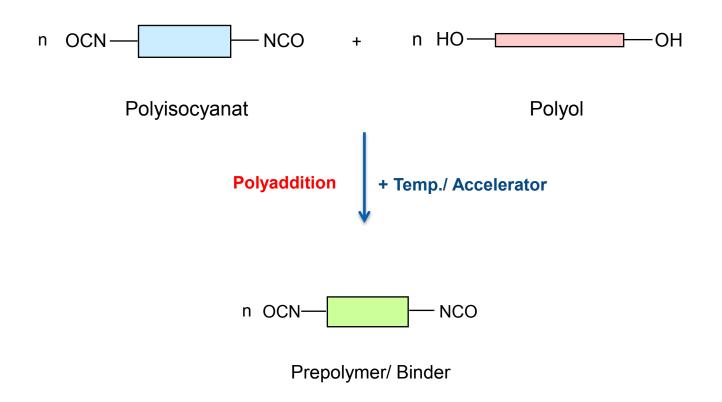






Production of Polyurethane binder

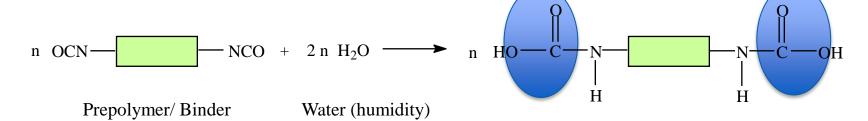
Prepolymerisation



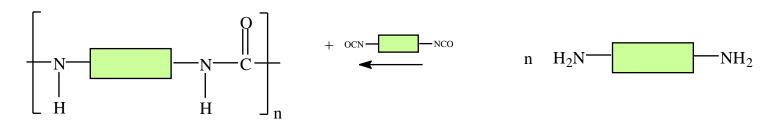


Reaction of Binder

Curing Process







Urea derivative







Recycled Granule

Granule Sources



Recycled Granule

Specification of granule

Sieve curve

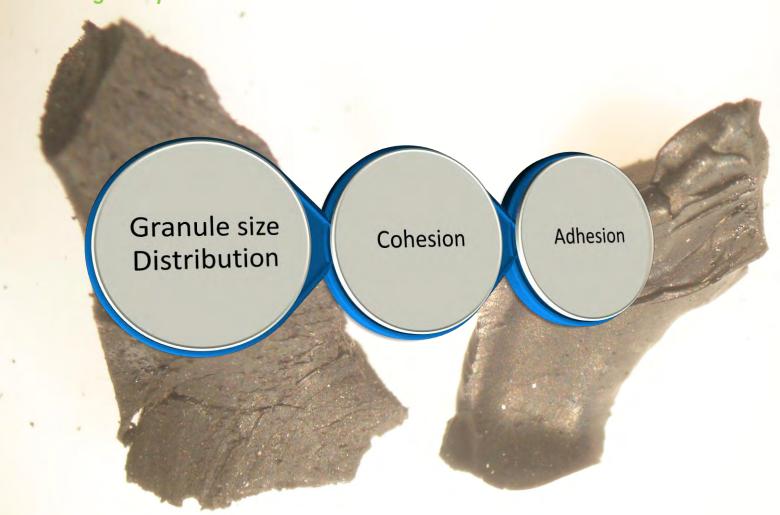








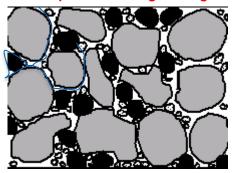
Influencing components



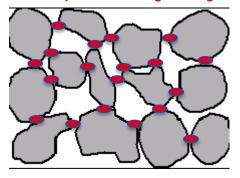
Influencing components



Contact points – linking bondage



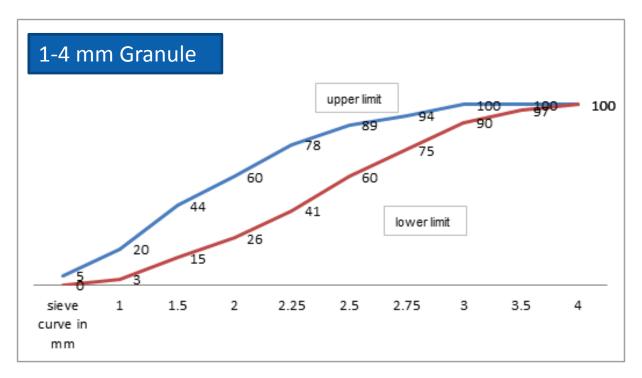
Contact points - linking bondage





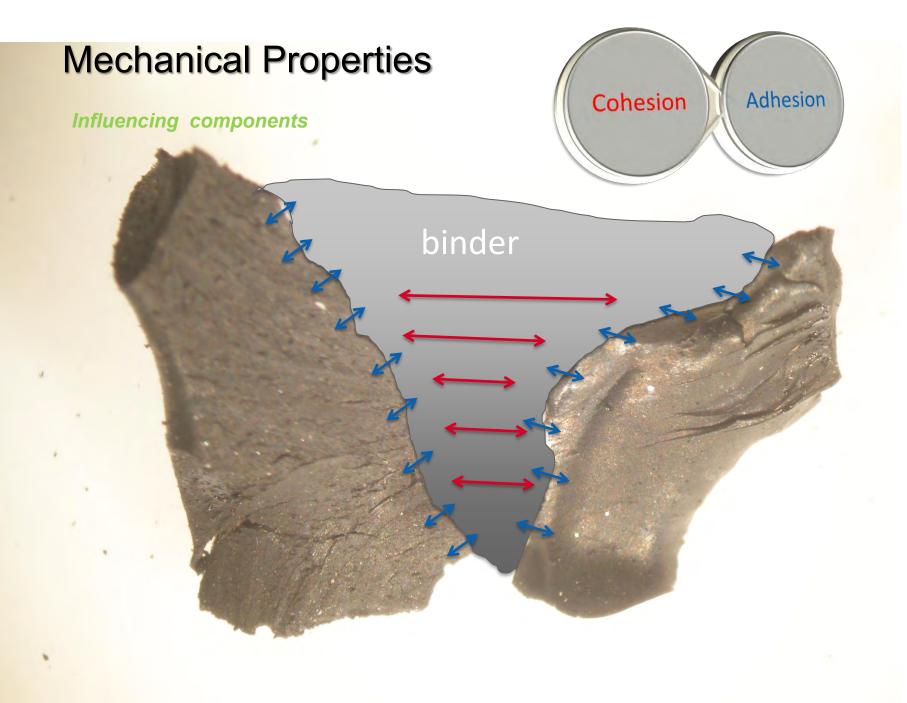
Influencing components





sieve curve in mm	tolerated range in %
1	0-5
1.5	3-20
2	15-44
2.25	26-60
2.5	41-78
2.75	60-89
3	75-94
3.5	90-100
4	97-100
4.5	100

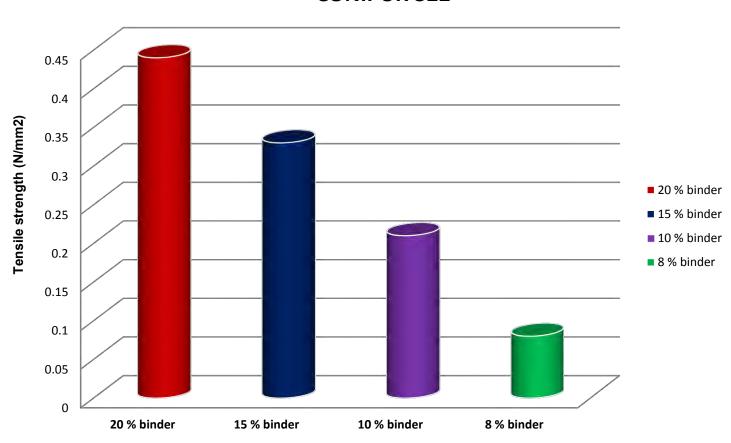




Measurements



Relation between binder content and mechanical properties (EN 12230)



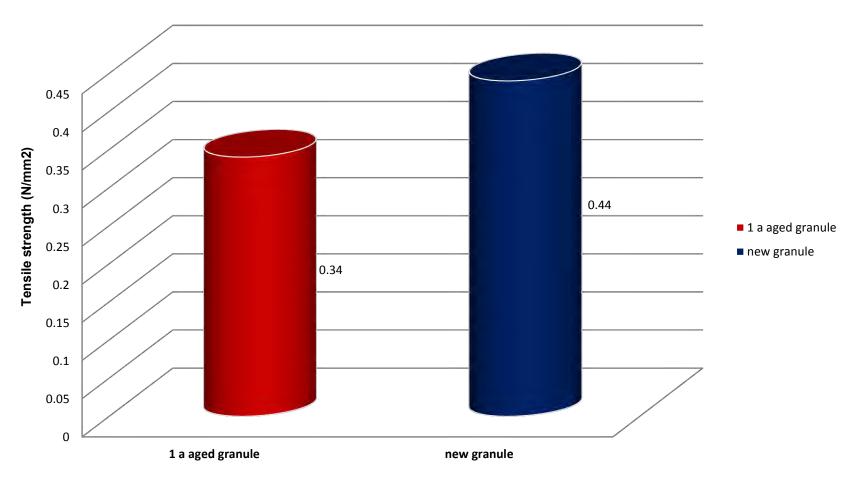


I. Impact : aging of granules





I. Impact aging of granules



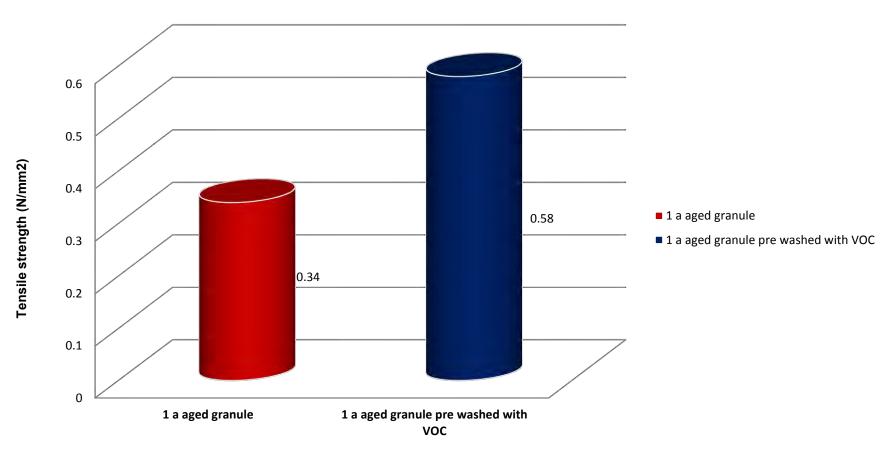


II. Pre-Conditioning of aged granule with Solvent (VOC)





II. Pre-Conditioning of aged granule with solvent (VOC)



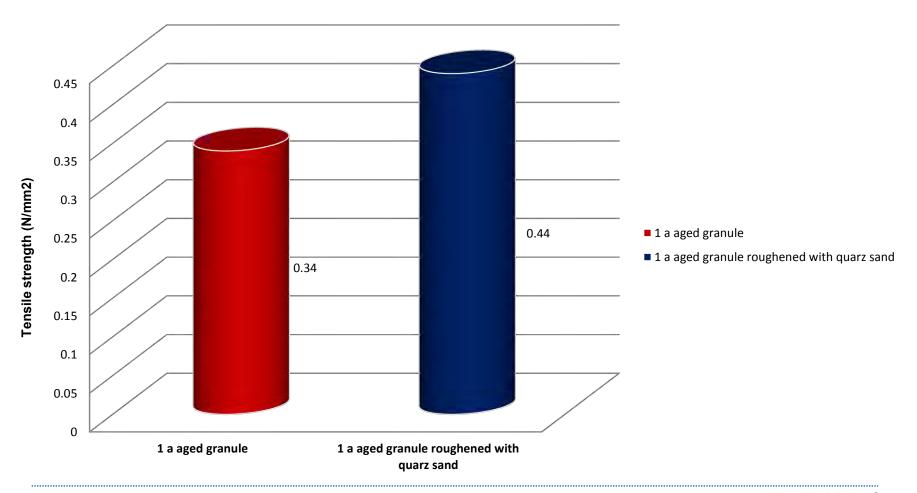


III. Pre-Conditioning of aged granule sanded with Quarz



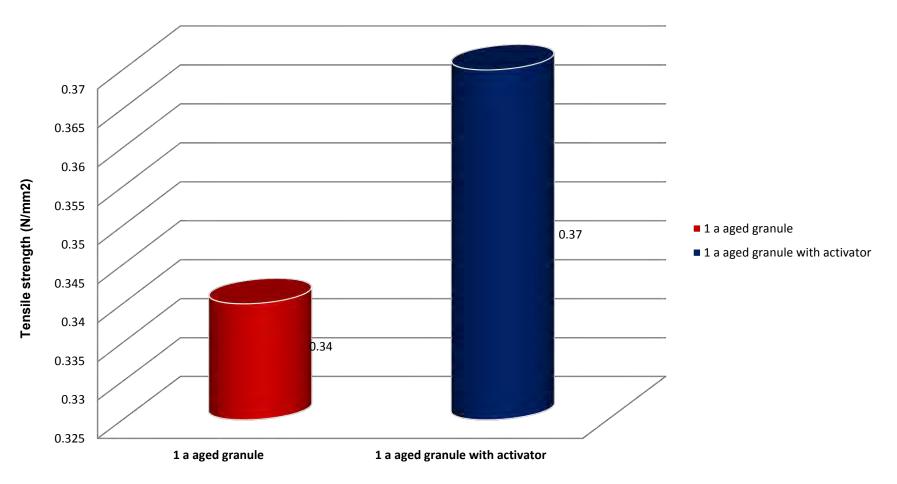


III. Pre-Conditioning of aged granule sanded with Quarz





IV. Pre-Conditioning of aged granule with activator





Summery

INSTALLER - use of:

- consistant and tested granule quality
- consistant binder quality
- defined mixing ratio binder / granule

Topics to ensure the quality of Tracks & Pitches for the END-USER based on given Standards/ rules

- Pretesting compatibility of binder/ granule used
- On site testing regarding binder share



Thank you for your attention

