

Part 1 of 2: Mix design Specification RSS Flüssigboden®		RE V171016.0.1
General Data		
Customer	*	
Project name / project number	*	
Intended use liquid soil (eg sewer construction, in water, district heating, immobilisation ...) Indicate special test scope under "Specific features"		
Desired completion date (mix design adjustment)		
Contact person FiFB/LOGIC/PROV	*	
Contact person (customer) with phone number		
Mix design according to *1	<input type="checkbox"/> according to RAL-GZ 507 <input type="checkbox"/> WN 6.03	
Different test scheme (standard according to RAL-GZ 507 is 1 x 7d, 1 x 28d, 1 x 56d or indicate scheme)	<input type="checkbox"/> Standard according to RAL-GZ 507	
Hard copy for (for compact unit (CU) please mark software version with a cross)	<input type="checkbox"/> mixing plant <input type="checkbox"/> CU SW 1.x <input type="checkbox"/> CU from SW 2.x	
Soil-mechanical parameters		
Soil description of delivered soil samples by customer/soil expertise according to DIN 18196, other standard or colloquial (eg silty loam).	Sample 1:	Sample 2:
	Sample 3:	Sample 4:
Prepare mixed samples	<input type="checkbox"/> yes <input type="checkbox"/> no	
Specify the interrelationship of the mixing samples		
Is the material already conditioned with lime?	<input type="checkbox"/> yes <input type="checkbox"/> no	
Is the material already separated	<input type="checkbox"/> yes <input type="checkbox"/> no	
maximum grain size liquid soil (mesh size separator) [mm]		
Name sampler (responsible person)		
No./name sample collection protocol		
cement specification/type specification (sample mass > 1kg, depending on test programme, required)	<input type="checkbox"/> CEM I <input type="checkbox"/> CEM II A-LL <input type="checkbox"/> none	
	Default type:	
Maximum mass cement (eg 3 wt%)		
Maximum mass RSS Proviacal		
Soil class undisturbed sample according to DIN 18300	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> unknown	
Classification of the raw material according to LAGA EW 98 / landfill class	* <input type="checkbox"/> Z0 <input type="checkbox"/> Z1 <input type="checkbox"/> Z2 <input type="checkbox"/> >Z2	
	<input type="checkbox"/> DK0 <input type="checkbox"/> DK1 <input type="checkbox"/> DKII <input type="checkbox"/> DKIII <input type="checkbox"/> DKIV	
Are special protective measures (laboratory safety) required? eg breathing mask / type of mask	<input type="checkbox"/> yes <input type="checkbox"/> no	

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Technological properties			
Consistency	Flowable <input type="checkbox"/> yes <input type="checkbox"/> no	Diameter of flow [cm]:	
	Plastic <input type="checkbox"/> yes <input type="checkbox"/> no	Diameter of flow [cm]: <input type="checkbox"/> dry	
Fast refixing -> if yes, specification time course	<input type="checkbox"/> yes <input type="checkbox"/> no	h: N/mm ²	Test <input type="checkbox"/> yes <input type="checkbox"/> no
Settlement [%]			Test <input type="checkbox"/> yes <input type="checkbox"/> no
Particular requirements flowability (eg pumpability with specification distance of pump)	<input type="checkbox"/> yes <input type="checkbox"/> no		
Floating laying	<input type="checkbox"/> yes <input type="checkbox"/> no		
Placement under water	<input type="checkbox"/> yes <input type="checkbox"/> no		
Special sample storage (eg outdoor storage, underwater, refrigerator ...)			
Cured properties			
Unconfined compressive strength [N/mm ²]			
Load bearing capacity EVd [MN/m ²]	Value:	Test <input type="checkbox"/> yes <input type="checkbox"/> no	
Kf value [m/s]	Less than:	More than:	Test <input type="checkbox"/> yes <input type="checkbox"/> no
Immobilisation -> if yes, indicate objective of immobilisation, add appendix 1	<input type="checkbox"/> yes <input type="checkbox"/> no	Allocation:	Test <input type="checkbox"/> yes <input type="checkbox"/> no
Placement in groundwater protection area/zone	<input type="checkbox"/> yes <input type="checkbox"/> no	zone (conductivity + pH possibly relevant):	
Mineral encapsulation -> if yes, indicate kf value [m/s]	<input type="checkbox"/> yes <input type="checkbox"/> no	Value:	Test <input type="checkbox"/> yes <input type="checkbox"/> no
Static friction [kN/m ²] (district heating + heat dissipation)	<input type="checkbox"/> yes <input type="checkbox"/> no	Value:	Test <input type="checkbox"/> yes <input type="checkbox"/> no
Slide friction [kN/m ²] (district heating)	<input type="checkbox"/> yes <input type="checkbox"/> no	Value:	Test <input type="checkbox"/> yes <input type="checkbox"/> no
Thermal conductivity (lambda value) [mW/mxK] at 20°C	<input type="checkbox"/> yes <input type="checkbox"/> no	Value:	Test <input type="checkbox"/> yes <input type="checkbox"/> no
Other			
FBC type (usual application with BB)	<input type="checkbox"/> BB (broad band)	<input type="checkbox"/> FW (district heating)	<input type="checkbox"/> IM (immobilising)
<input type="checkbox"/> TS (thermally stabilizing)			
Specific features:			

*1 For the indication: mix design according to "RAL" the specifications must be confirmed by a technical planner approved according to RAL, or by the RAL, or by the FiFB. The correctness of the above data is certified by:
 Missing information is considered not relevant. Fields marked with * are required.

Date / signature customer:..... Acceptance laboratory: