Sample Submission Form Material Examination of CIPP



□ Initial Test

🗆 Retest

* For comparability of the test results, testing will follow the standards forming the basis of DIBt approval.

Reference Test Report No.

Information on Specimen Sampling													
Supervised by (Name)			Samp	oling		Confirmation of Sampling							
			Date Time			Name in Block Letters			Signature				
Sample Identification DIRt Approval No 17 42 3													
3	Client (Liner Material											
Building Owner						Length of CIPF							
Project						Pipeline Drive Nam							
Contractor Company						Sample Name							
Manufacturer (Liner)						Installation Da		ate		1			
Type of Resin			□ UP □ VE □ EP □ Other			Sampling Locati		on L	Drive	Reception Manhole		Interm. Manhole	
Substrate			Synthetic Fiber Glass Fiber										
Pine Geometry			Circle DN					ion L	Тор	Springline		Bottom	
i ipe Geometry			Oval/										
Coating is an Integral Part of the CIPP			Yes Outside	No Inside		Remarks		rks					
Required Short-Term Properties (According to Client)													
Flexural Modulus of Elasticity Er IMPa				Chel		Circ. Modulus of Elasticity En IMPa							
Bending Stress σ _{tb} [MPa]						Max. Creep Tendency K _{N.24}							
	Wall Ti	hickness em [mm]				Glass Content							
	Reduction Factor for Lo				Density ρ [g/cm								
Test Results (Please mark the tests to be conducted with an "Y")*													
Flexural Modulus of Elasticity, Bending Stress DIN EN ISO 178 / DIN EN ISO 11296-4 24h Creep Tendency DIN EN ISO 899-2 (ir											899-2 (in-line)		
Test Date Ef [MPa]		σ _{fb} [MPa]		e _m [mm]	<i>h_m</i> [mm]	Test Direction		Т	est Date		K _{N,24h} [%]		
							🗆 axial 🛛 🗆 radial						
Circ	umferential Modulus o	of Elasticity, Initial	Ring Stiffness DIN EN 1228						Creep 1	ep Tendency DIN		EN 761 (in-line)	
	Test Date	Test Date Eu [MPa]		S₀ [N/m²]		<i>h</i> _m [mm]			Т	Test Date		K _{N,24h} [%]	
Wate	er Tightness 🛛 DIN	DWA-A 143-3 (section 7.2.9)						Density DIN EN ISO 1183-1					
	Test Date Test Duration [min] Test Pr		Test Pressur	est Pressure [bar]		Test Result			Test Date		Density ρ [g/cm³]		
30		0,5 ± 5%			tight 🛛 🗠 leaking								
Annealing Residue by Calcination Method			DIN EN ISO 1172					Spe	Spectral Analysis ASTM [FT-IR) (in line)	
	Test Date Resin Content		Total Residue		Glass C	ontent [%]	Aggregate [%]		Test Date		Resin		
			[70]										
The	mal Analysis DIN EN	ISO 11357-2 (DSC	measurement) for	Epoxy	Resin								
	Test Date		Glass Trans	sition 1	Temperatu	e T _G [°C]		Enthalpy [J/g]					
TG1			T			T _{G2}		exothermic			□ er	ndothermic	
Residual Styrene Content DIN 53394-2 (GC) for UP or VE resin													
_	Test Date	Weight [mg]	Residual Styren	e Cont	ent [mg/kg]	Residual S	Styrene Content [%]			Weight rela	tive to		
									□ total v	veight	Π	oure resin	
Evaluation of the results to be carried out by the testing laboratory: □ yes □ no													
		fulfilled not ful		fulfilled	Requirem		ent	fulfilled		not fulfilled			
Flexural Modulus of Elasticity <i>E</i> _f [MPa]						Circ. Modulus of Elasticity E _U [M		IPa]					
Bending Stress σ _{fb} [MPa]						Max. Creep Tendency K _{N,24}		[%]]				
Wall thickness <i>e_m</i> [mm]						Glass Content		[%]	j -				
Water Tightness						Density ρ [g/cm		cm³]					
		Remarks											
Test results by email to (please provide email address):													
10	Signature Tester/L	ab Head											
								- keep			ep fr	ee -	