

**How does the Standard feel about new and improved insulation materials?
 It says "No thanks!"**

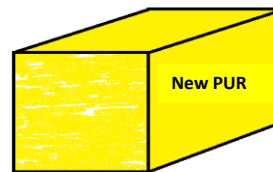
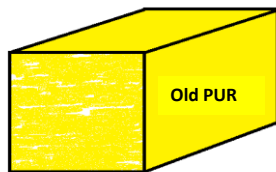
$\rho = 80 \text{ kg/m}^3$
 $\lambda = 28 \text{ mW/mK}$
 $\Delta m (\text{Water}) = 0,12 \text{ G}$

OK acc. to EN 253

$\rho = 50 \text{ kg/m}^3$
 $\lambda = 22 \text{ mW/mK}$
 $\Delta m (\text{Water}) = 0,10 \text{ G}$

Less material consumption
 20 % less heat losses
 20 % less water absorption

NOT OK acc. To EN 253



	Test blok size			Volume V cm ³	Density kg/m ³	Weight dry g	Weight increase g	Absorbtion %	
	l cm	b cm	h cm						
Traditional produced pipe	2,5	2,5	2,5	15,625	80	1,25	0,12	9,6	EN253 OK
Micro-celle foam low density	2,5	2,5	2,5	15,625	50	0,78125	0,12	15,36	☹️
New foam with 20% less absorbtion	2,5	2,5	2,5	15,625	50	0,78125	0,1	12,8	☹️
New foam with 38% less absorbtion	2,5	2,5	2,5	15,625	50	0,78125	0,075	9,6	OK

You are allowed to have 60% more water in old foam with remarkable higher heat losses!!!???

3E-Flex are produced with very high insulation capacity, low material consumption, using second generation "Lance Pull Technique"

3E-Flex are produced in compliance with EN 15632-2 regarding functional requirements, ensuring a long and troubles service of the pipesystem, obtaining the best of all possible performance, both in respect of reduced thermal losses and in respect of environmental impacts from production as well as from the service of the system.