



#### **Figures 4.1.3.**

# Demo ULTRAGRIP

### **Main achievements**

DEMOULTRAGRIP mathematical models have been recalculated and optimized in order to improve their prediction power.

They used for CoF's predictive software's.



RUBER (VR)			PUR		TPU		TD		
VR SBR		VR NBR		PUR		IPU		IR.	
absolute	%	absolute	9/0	absolute	9/0	absolute	9/6	absolute	9/0
0.07	20	0.10	20	0.03	6	0.05	16	0.07	22

M1	6 m	del - Ave	rage	Error / De	esign	stage of	the C	oF <sub>error</sub>	
RUBER (VR)			PUR		TPH		TR		
VR SBR		VR NBR		PUR		IPU		JIR.	
absolute	9/0	absolute	96	absolute	9/0	absolute	%	absolute	9/0
0.06	16	0.06	13	0.03	6	0.04	11	0.05	15

M 24	4 mo	del - Ave	rage	Error / De	esign	stage of	the C	OF error	
RUBER (VR)				PLIR		TPH		TD	
VR SBR		VR NBR		PUR		IPU		IK	
absolute	9/6	absolute	9/6	absolute	9/0	absolute	9/0	absolute	9/6
0.04 12 0.05 11		0.04	9	0.05	11	0.04	13		

Improvements

AVERAGE ERROR-Design stage of the model CoF error

VR SBR	VR NBR	PUR	TPU	TR
20%	20%	6%	16%	22%
44	25	25	44	44
16%	13%	6%	11%	15%
25	25	25	25	25
12%	11%	9%	11%	13%

Final Meeting Arnedo (Spain) – 11th November 2015

"Improved average error for CoF prediction model"

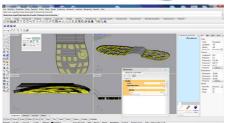
# Demo ULTRAGRIP

### **Main achievements**

Computer designing tools:

CoF predicting-CAD software (developed in WP1)





➢ App and On-line configurator (developed in WP2).



Final Meeting Arnedo (Spain) – 11th November 2015

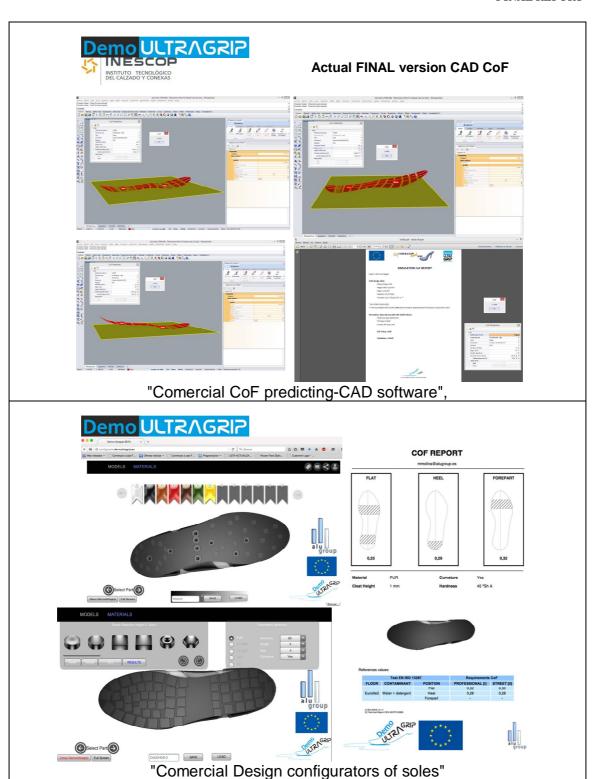
"Comercial CoF predicting CAD softwares"

















"Comercial Table Design configurators of soles"

### Demo ULTRAGRIP



# **Main achievements**

By using both omputer desining tools deveploment to ULTRAGRIP LINES:



"ULTRAGRIP-LINE sole-footwear models".







"Comercial Sheets ULTRAGRIP-LINE sole-footwear models".

SLIP-RESISTANT FOOTWEAR





