

Ex01.

Kn

AFDEX_MAT

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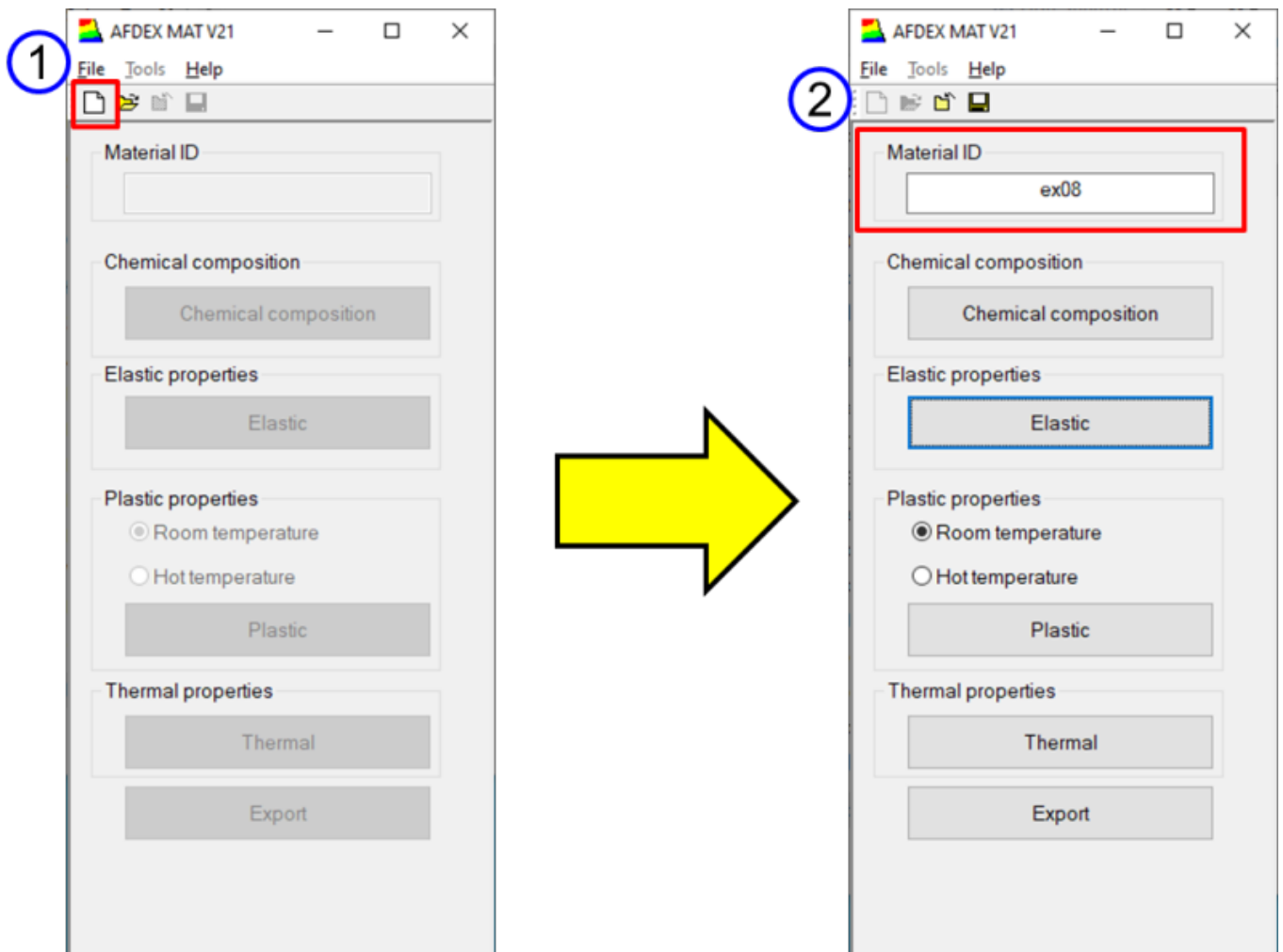
8

9

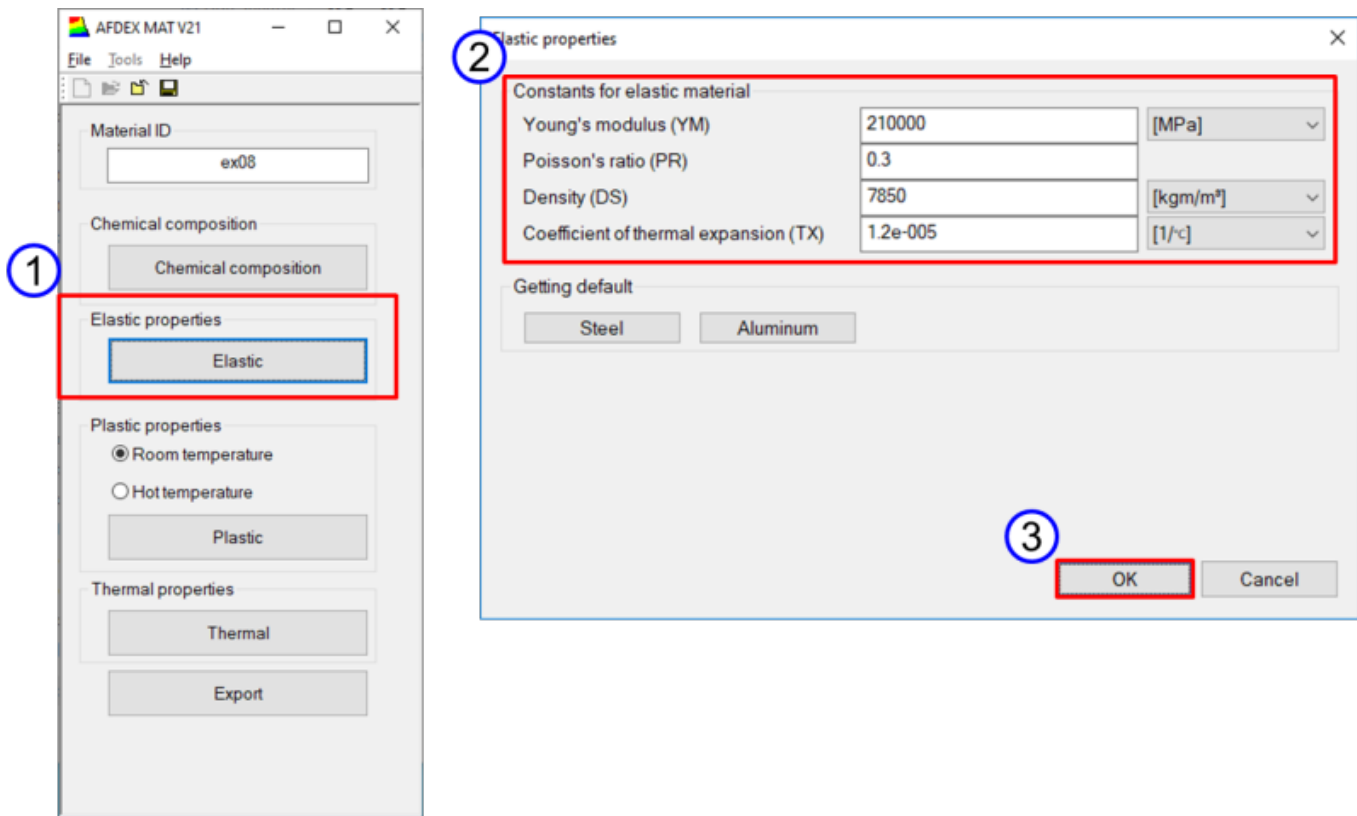
10

Ex01. Kn

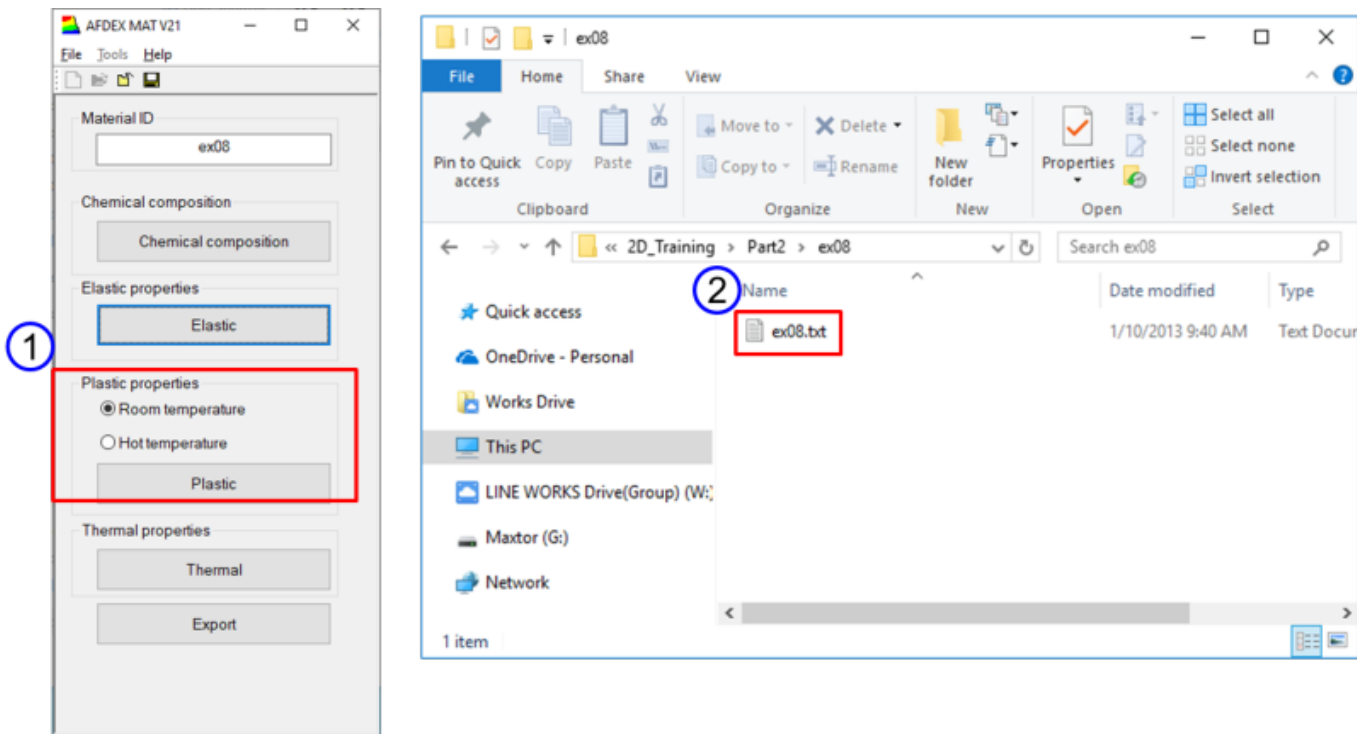
AFDEX_MAT



1. 'New'
2. Material ID ex08()



1. "ELASTIC"
- 2.
3. "OK"



1. Plastic properties "Room temperature" , "Plastic"
2. " ex08.txt .

Cold tensile test

Unit of length: [mm] Unit of load: [kN]

Data format: ☒ With id ☐ With weight

Size of specimen: Diameter: 6.3899994 Gauge length: 25

Check

Yield strength: Yield strength: 0

0 Max. Tensile strength

Fracture point

Necking point Last point

Fitting model: Simulation (8)

Numerical option

Run

Raw data

☒ Elongation-Load ☐ Eng.SS ☐ True.SS

387.	5.796390.	16.015900
388.	5.838090.	15.908521
389.	5.879790.	15.811871
390.	5.921490.	15.699120
391.	5.963090.	15.591741
392.	6.004790.	15.473620
393.	6.046490.	15.360870
394.	6.088090.	15.242750
395.	6.129790.	15.124630
396.	6.171390.	15.001151
397.	6.213090.	14.877661
398.	6.254790.	14.748800
399.	6.296490.	14.619941
400.	6.338090.	14.485721
401.	6.379790.	14.351490
402.	6.421490.	14.217260
403.	6.463190.	14.072300
404.	6.504790.	13.927330
405.	6.546390.	13.777000
406.	6.588090.	13.632040
407.	6.629790.	13.470961
408.	6.671490.	13.315261
409.	6.713090.	13.148821
410.	6.754790.	12.982380
411.	6.796490.	12.810570
412.	6.838190.	12.633390
413.	6.879790.	12.445470
414.	6.921391.	-0.016110

①

Diameter: 6.3899994 mm
Ext. gauge len: 25.000000 mm
Spec gauge len: 25.000000 mm

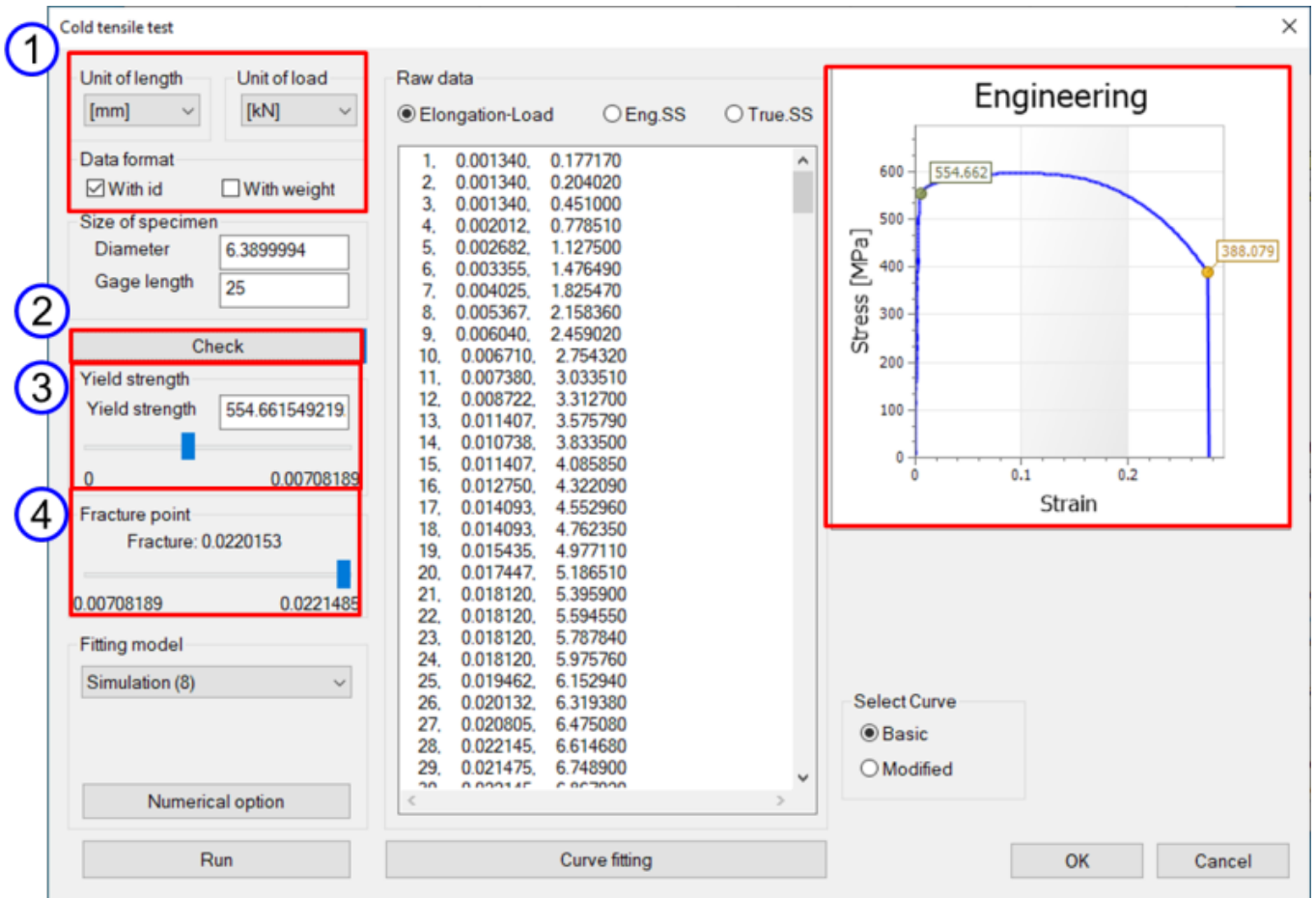
②

1.	0.001340.	0.177170
2.	0.001340.	0.204020
3.	0.001340.	0.451000
4.	0.002012.	0.778510
5.	0.002682.	1.127500
6.	0.003355.	1.476490
7.	0.004025.	1.825470
8.	0.005367.	2.158360
9.	0.006040.	2.459020
10.	0.006710.	2.754320
11.	0.007380.	3.033510
12.	0.008722.	3.312700
13.	0.011407.	3.575790

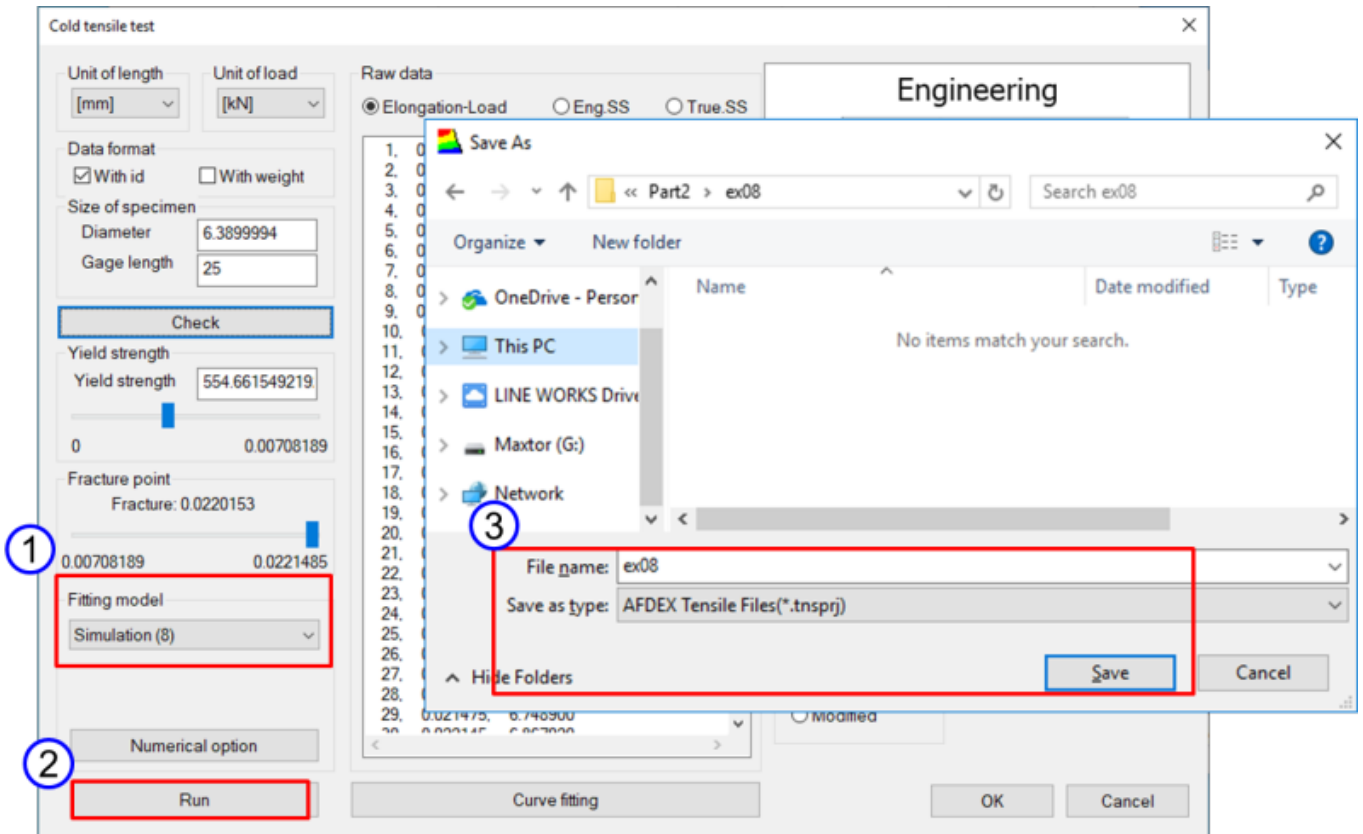
Select Curve: ☒ Basic ☐ Modified

OK Cancel

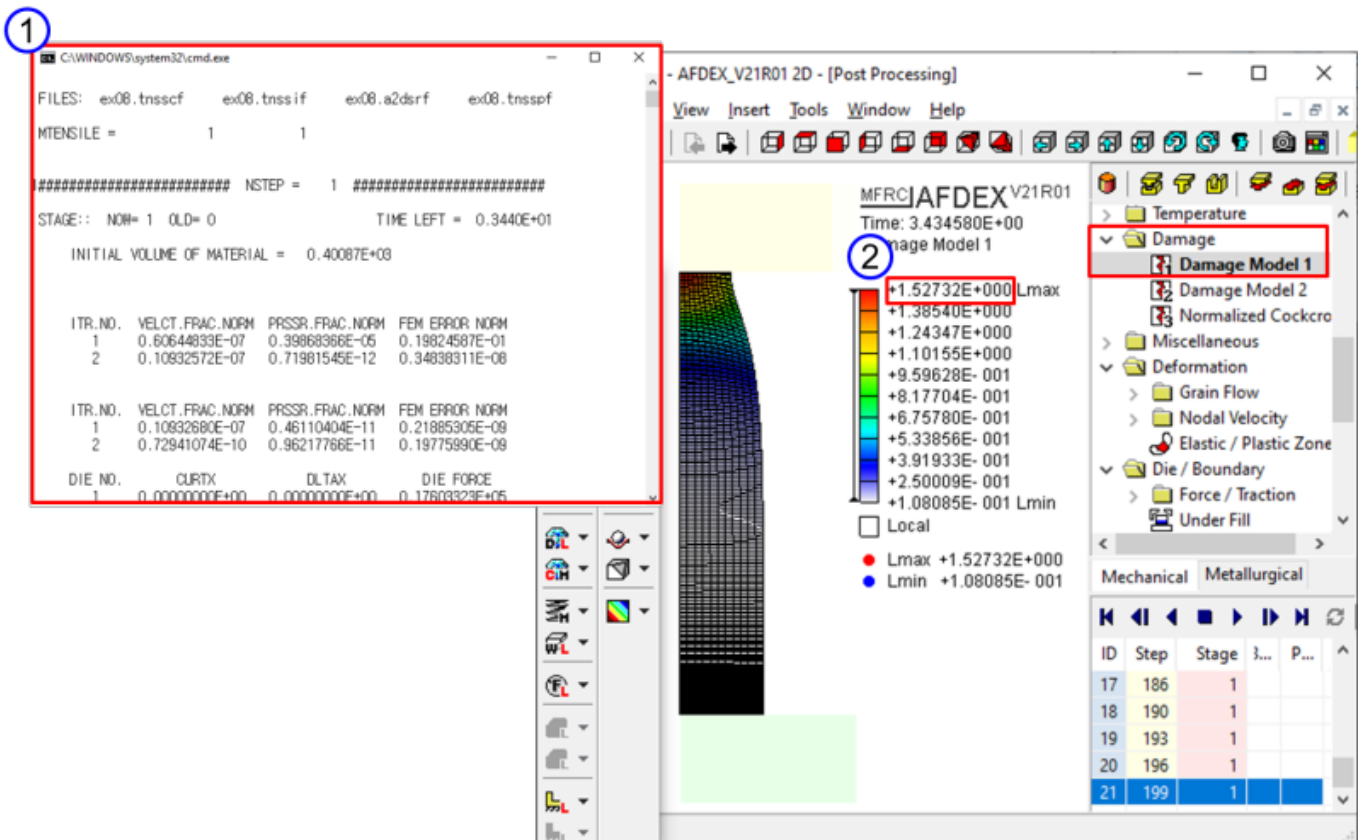
- 1.
2. "Raw data"



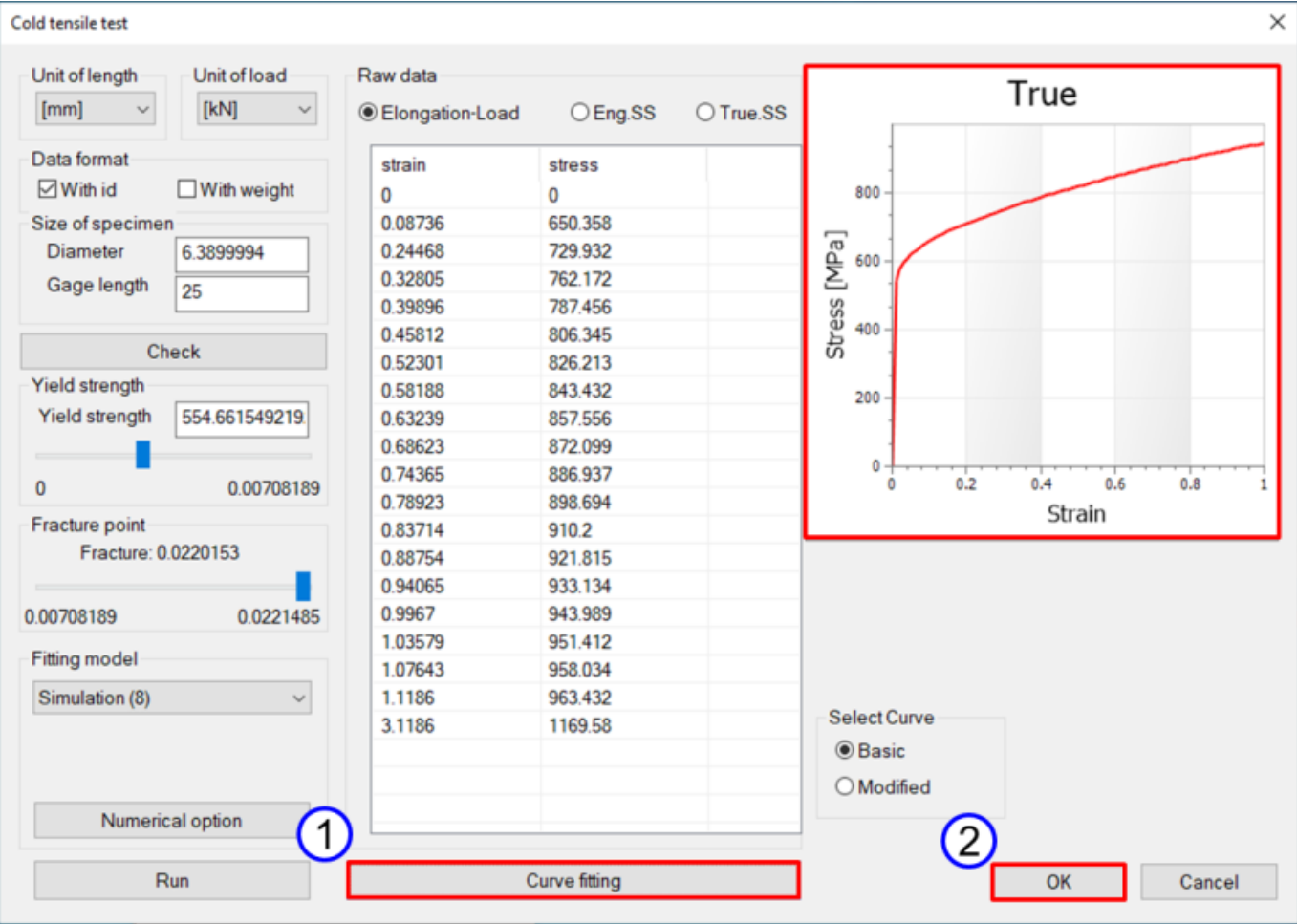
- 1.
2. "CHECK"
- 3.
- 4.



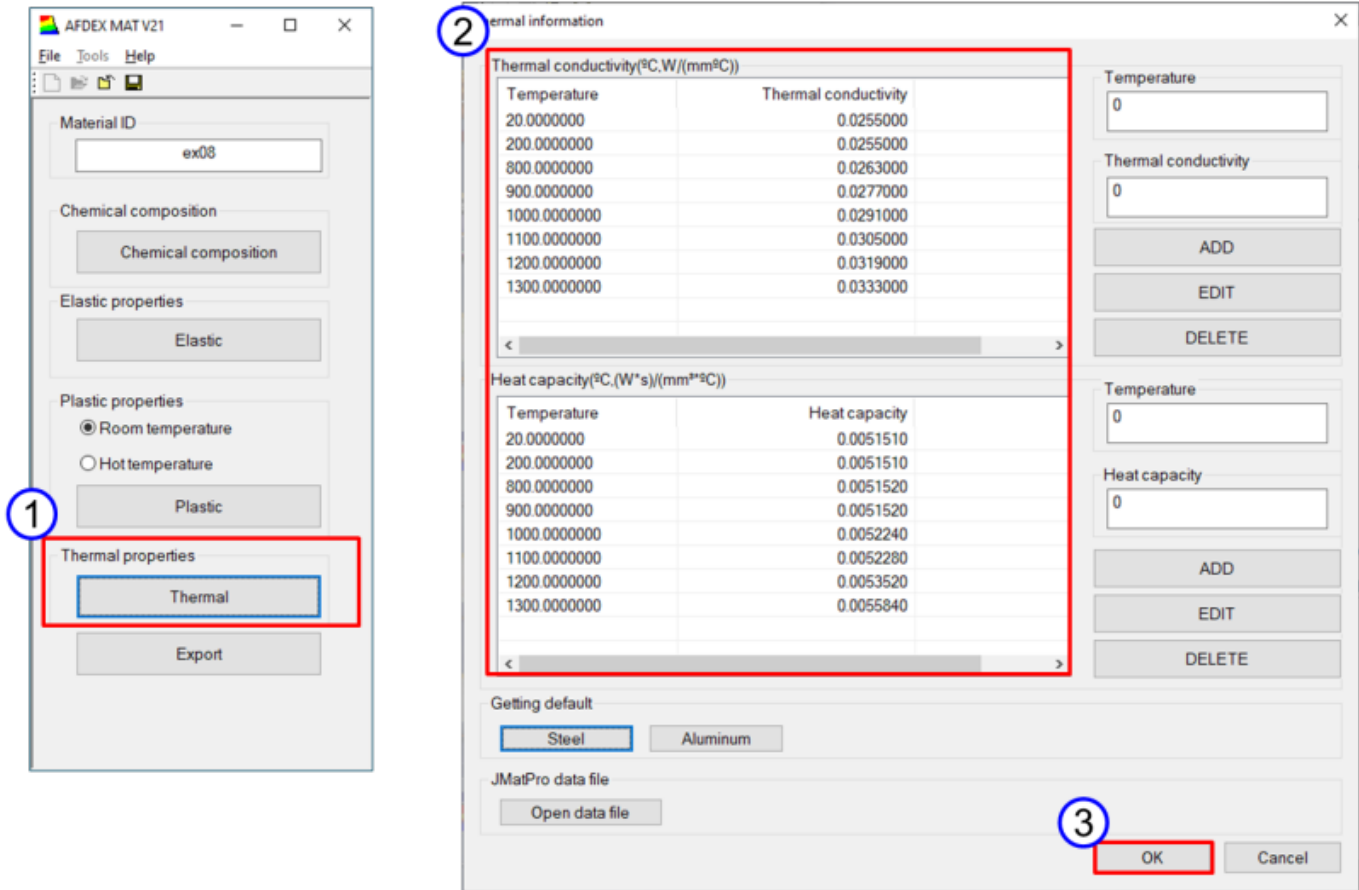
1. Fitting model "Simulation (8)"
2. "Run"
3. "Save"



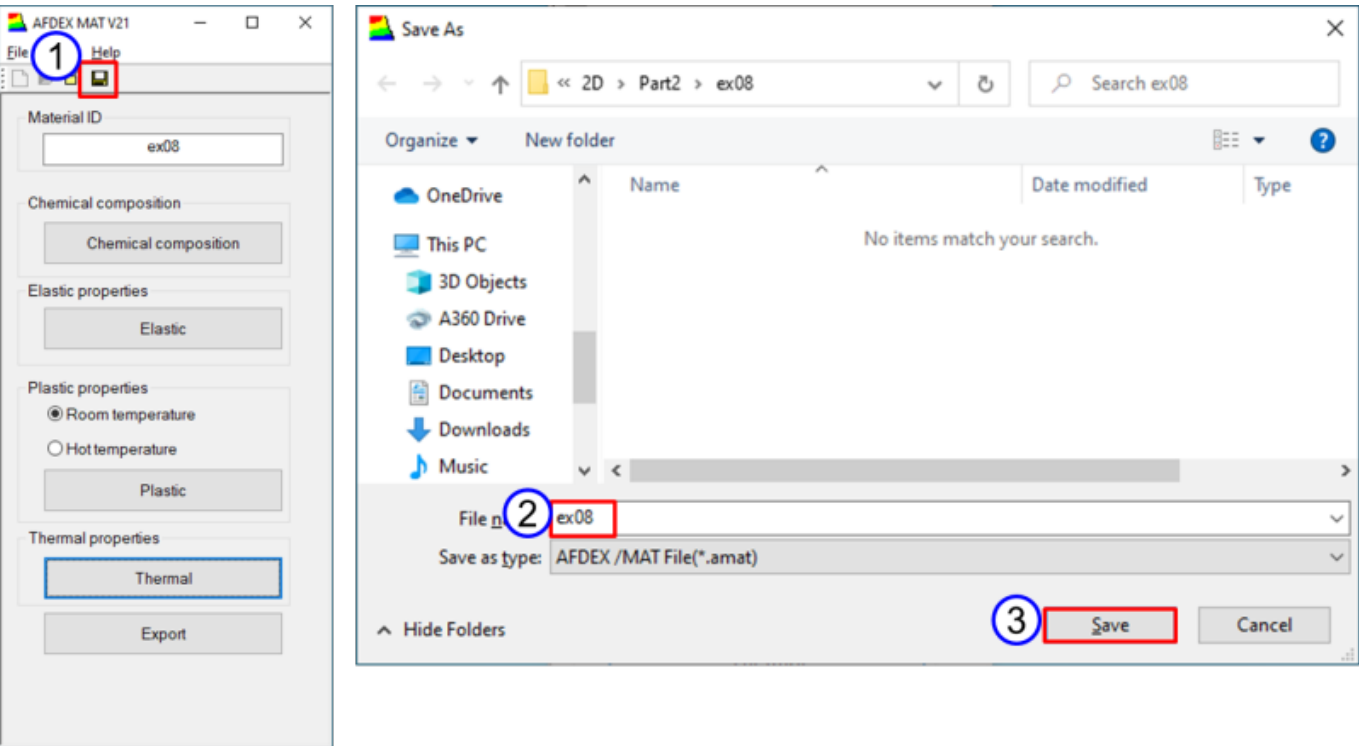
1. Simulation
2. Damage (1.50)



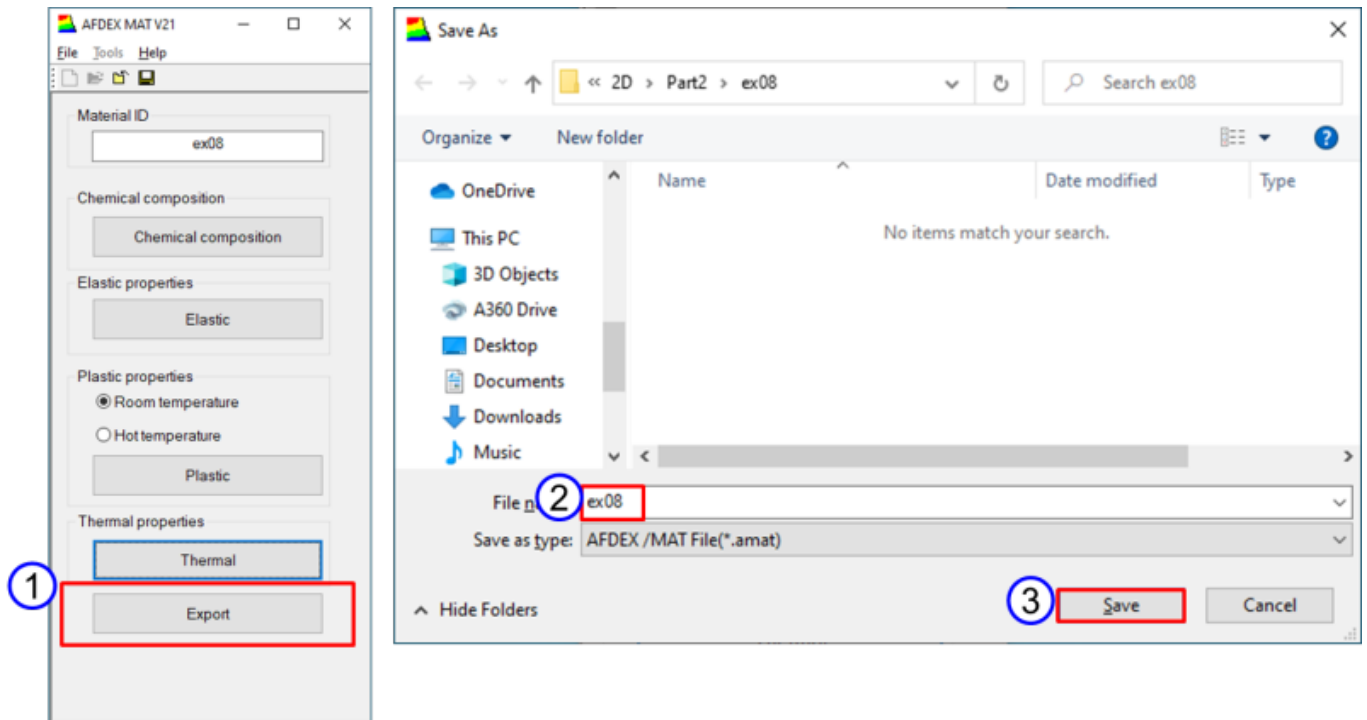
1. , "Curve fitting"
2. "OK"



1. "Thermal"
- 2.
3. "OK"



1. "Save" .
2. "ex08" .
3. "Save" .



1. "Export" .
2. "ex08" .
3. "Save" .

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