WELDPULSE

WeldPulse®

Welding Procedure Ready

SPARK EDITION

Designed & priced for individuals

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A welding software by PetroStreet

WELDPULSE

Contents

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Short intro

WeldPulse® Spark Edition is designed for individual engineers working in petrochemical industries. It helps in taking welding decisions and provides you a competitive edge in your welding career. With features suiting the needs of an individual, WeldPulse® Spark Edition is a complete package to deal with ASME IX welding code requirements.

"WeldPulse Splash Screen"

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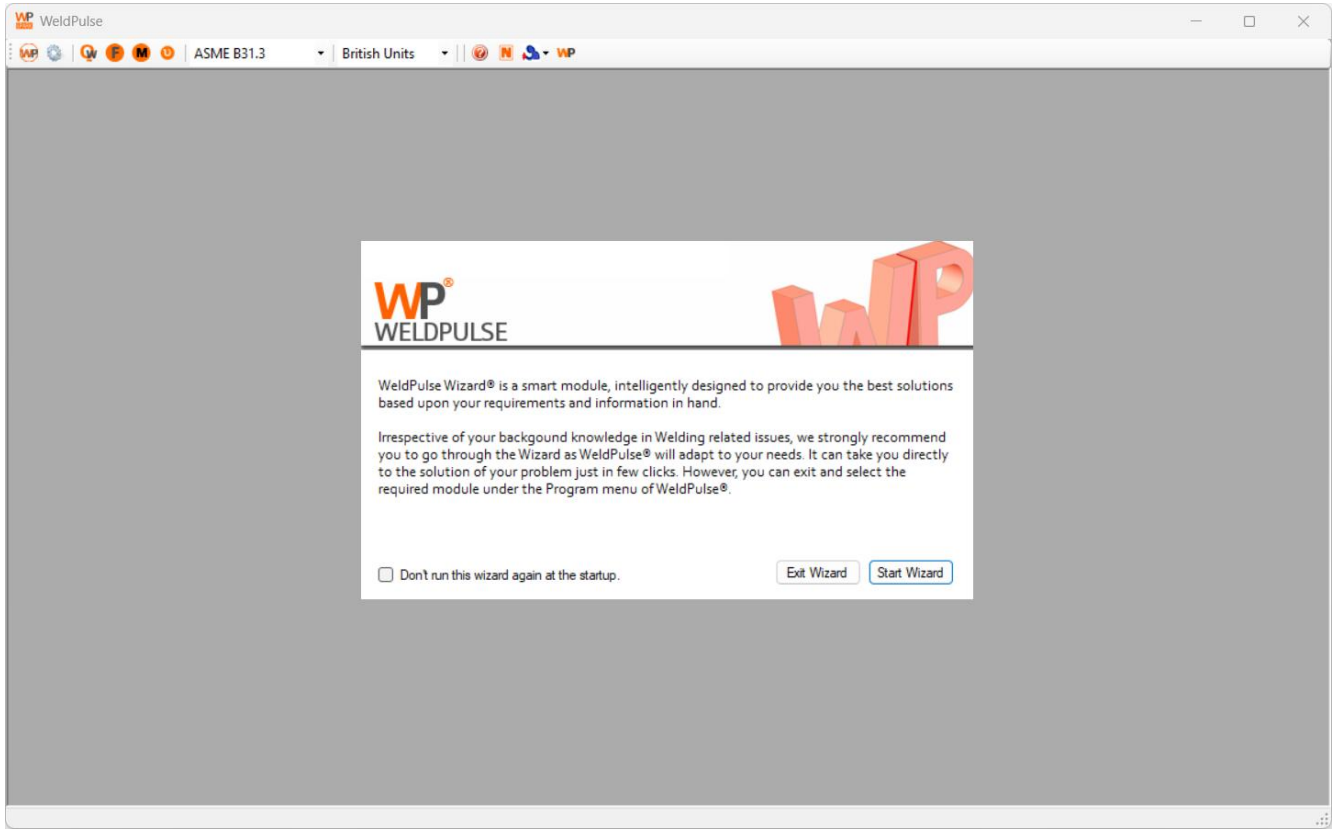
WeldPulse Wizard®

When you run WeldPulse® the following window appears:



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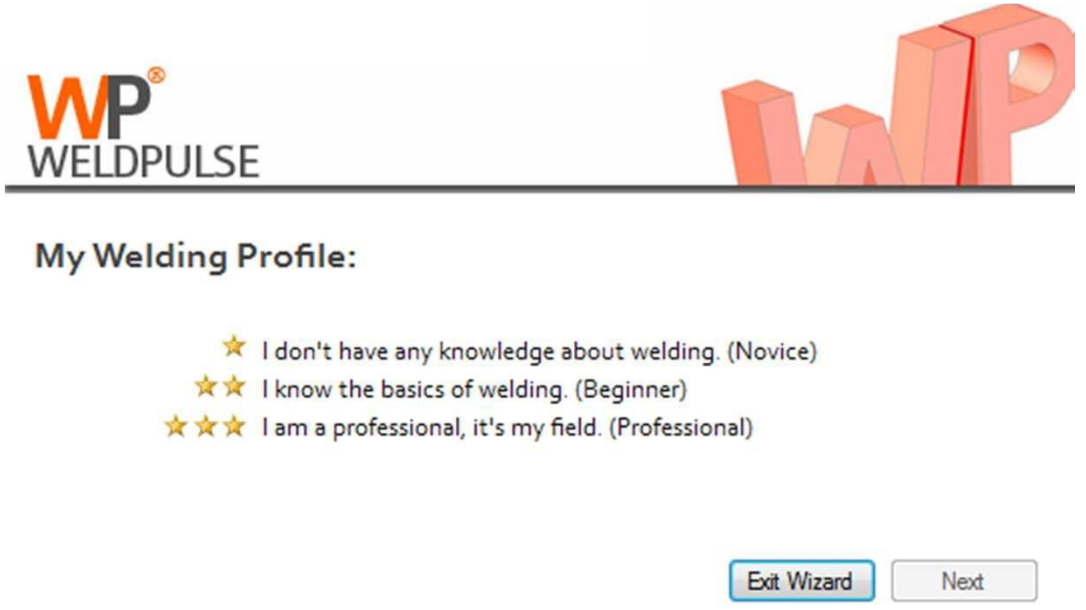
WeldPulse Wizard®

When you click **Next**, it takes your welding profile



Profile settings customizes the inputs and results suiting your experience level in welding. Therefore, it is recommended to set your profile.

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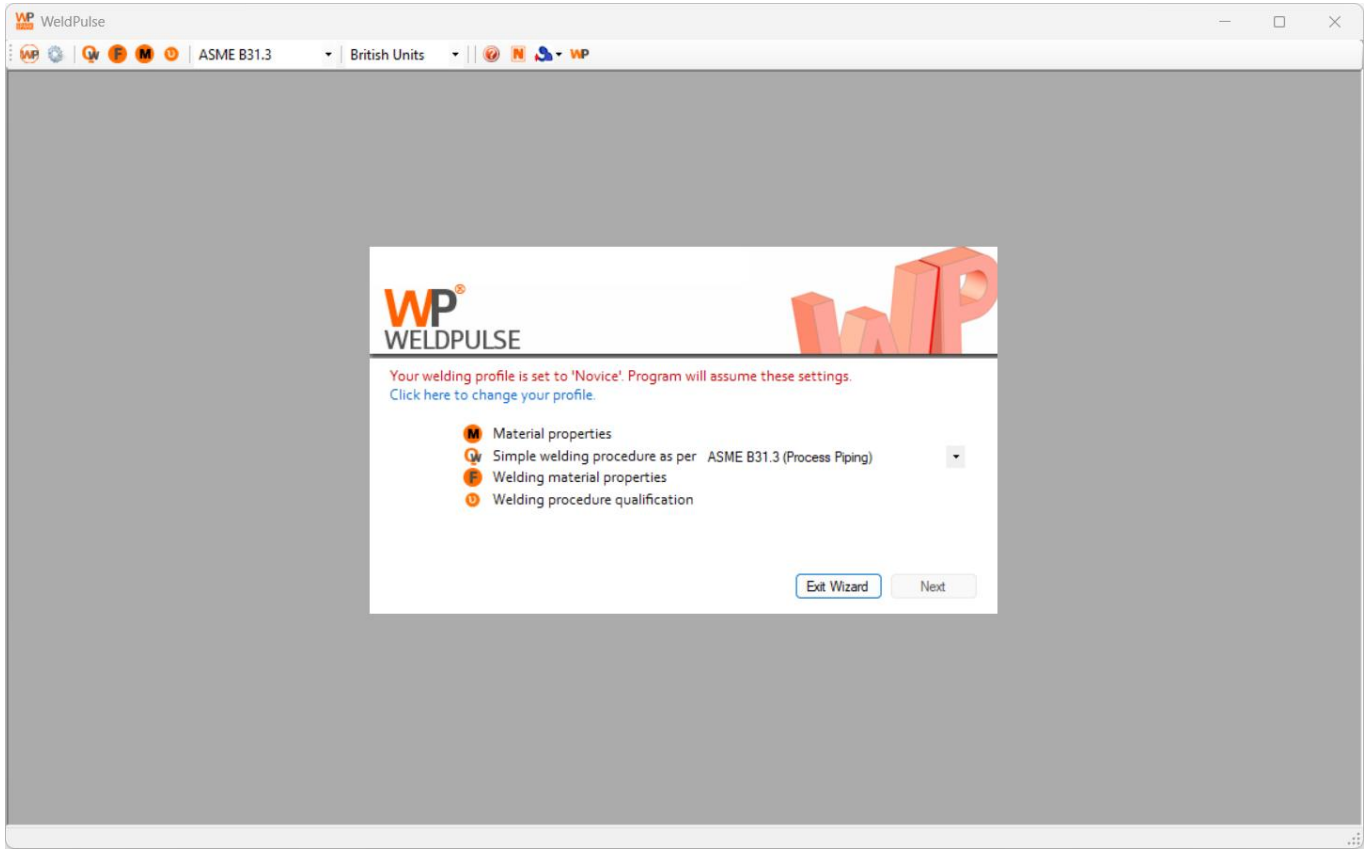
WeldPulse Wizard®

WeldPulse® presents you with modules suiting your welding profile



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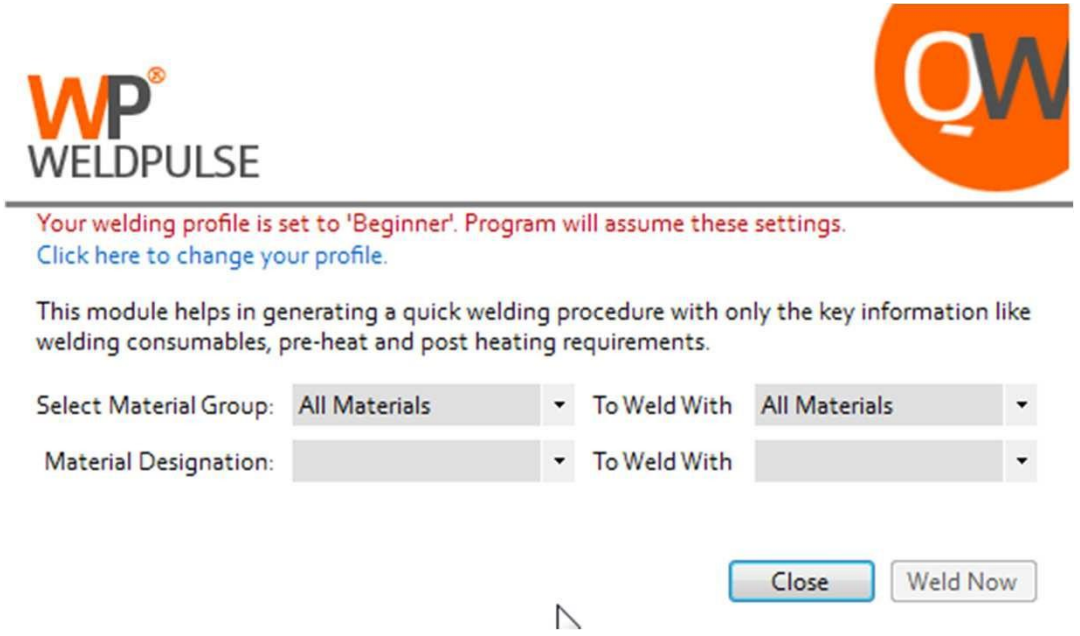
WeldPulse Wizard®

For example, click **Quick Welding Procedure**



Note: Modules including WPS, PQR, Ferrite Check, CE, HI , Properties, procedure & performance qualifications do not have any impact on profile settings however all these modules are available only in Arc Edition.

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QuickWeld®

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QuickWeld®

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QuickWeld® is designed to provide you quick welding guidelines just by providing the materials information. You need to know about the construction code, materials to be welded and their joint thickness to make best use of QuickWeld

Inputs

- Material information
- Construction code

Results (depends upon profile)

- Pre-heat
- Interpass
- Filler & electrode (GTAW & SMAW only)
- Post weld heat treatment
- General comments, if any

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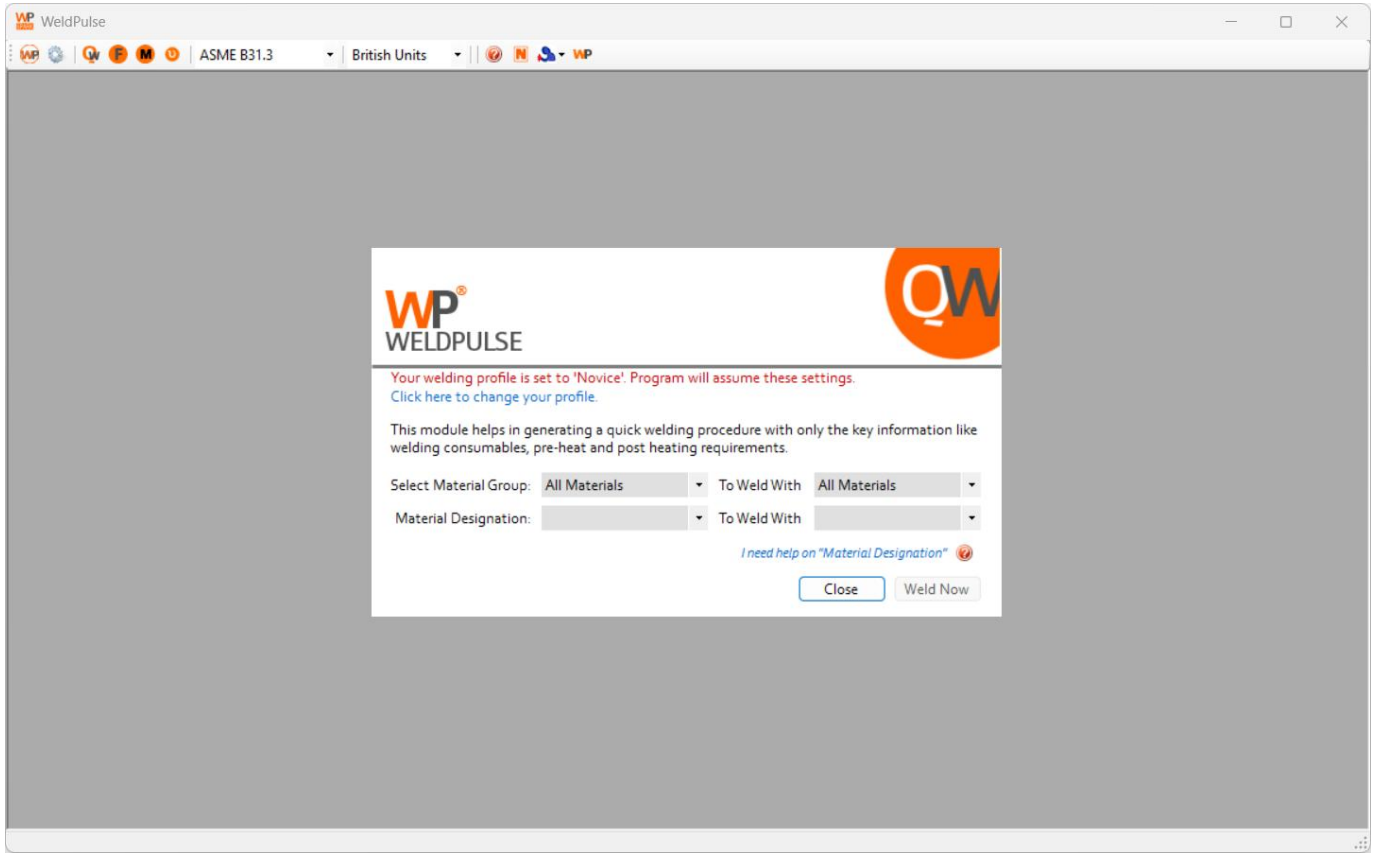
QuickWeld®

Let's start QuickWeld® module in Novice settings:



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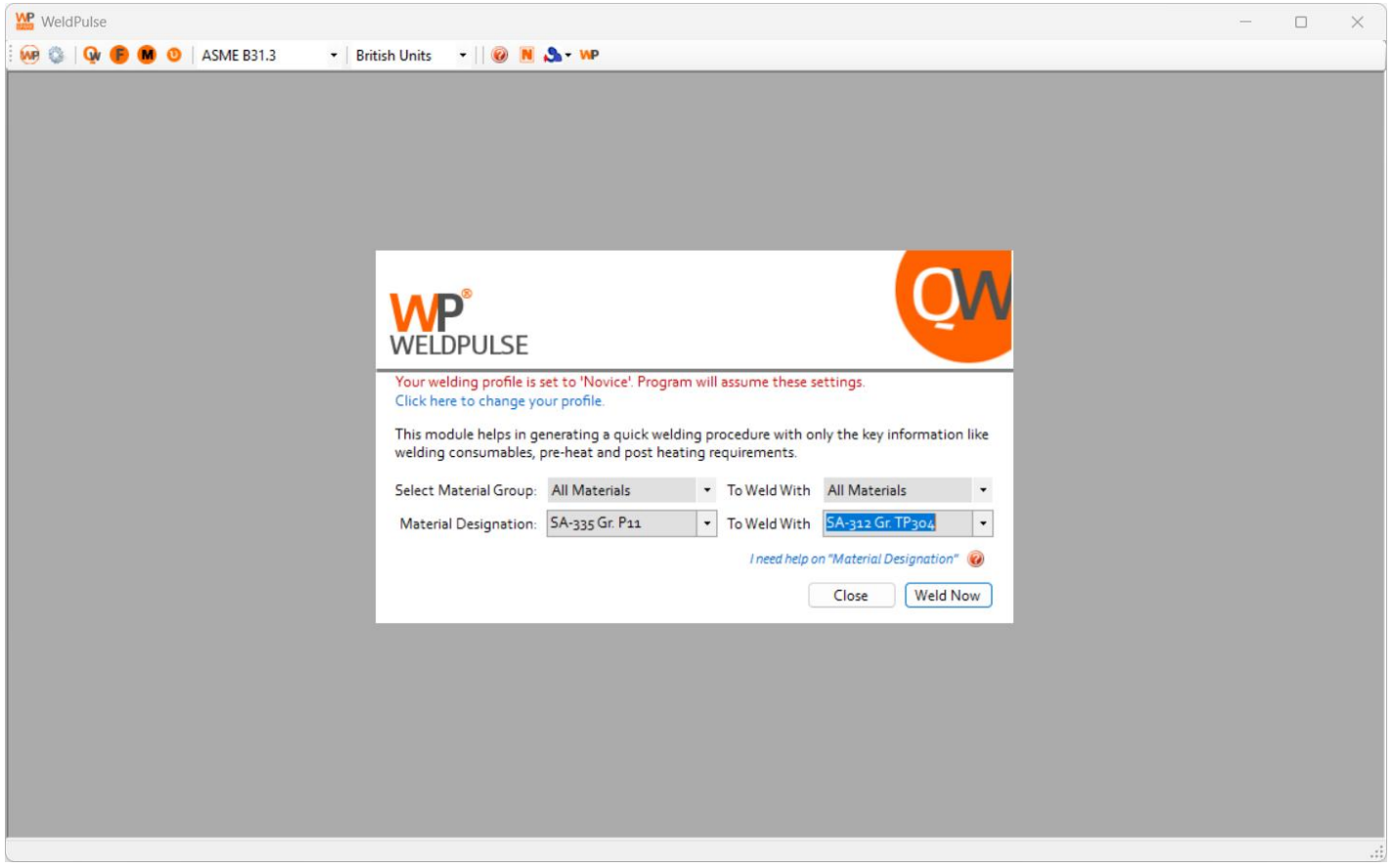
QuickWeld®

Let's have a look at QuickWeld® in Novice settings



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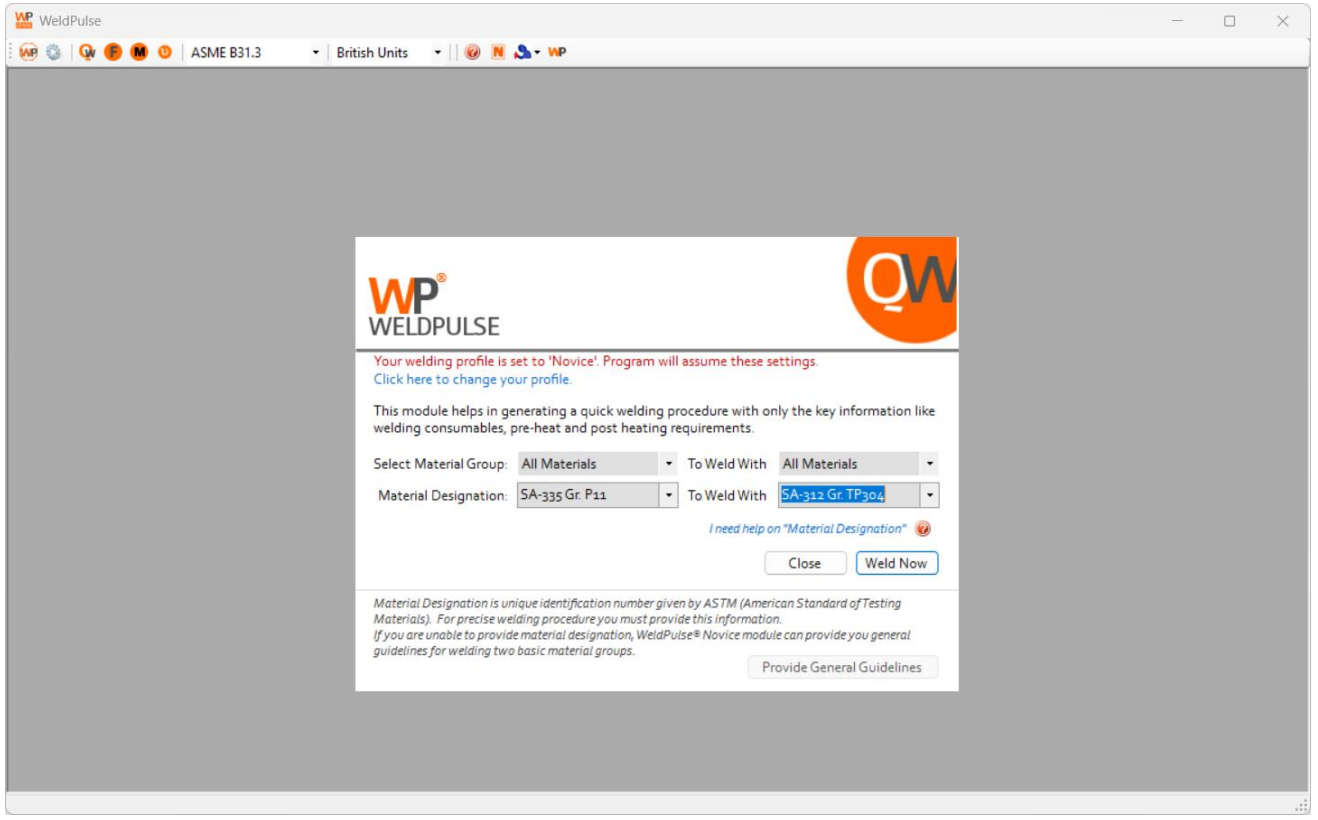
Material designation guidelines…



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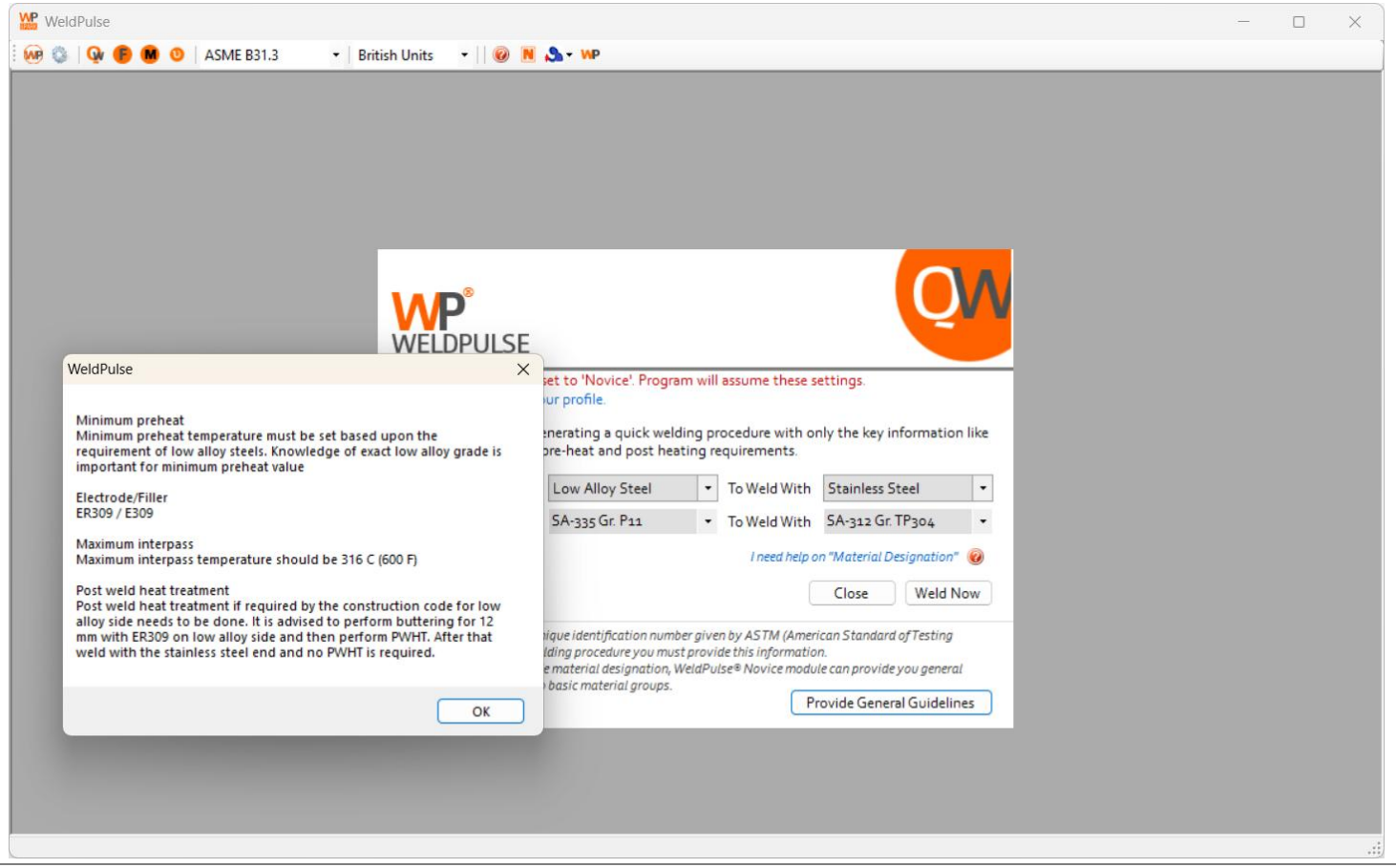
If you don't know the material specifications, click general guidelines:



Value other than All Materials is required to be provided under **Select Materials Group** to get general guidelines

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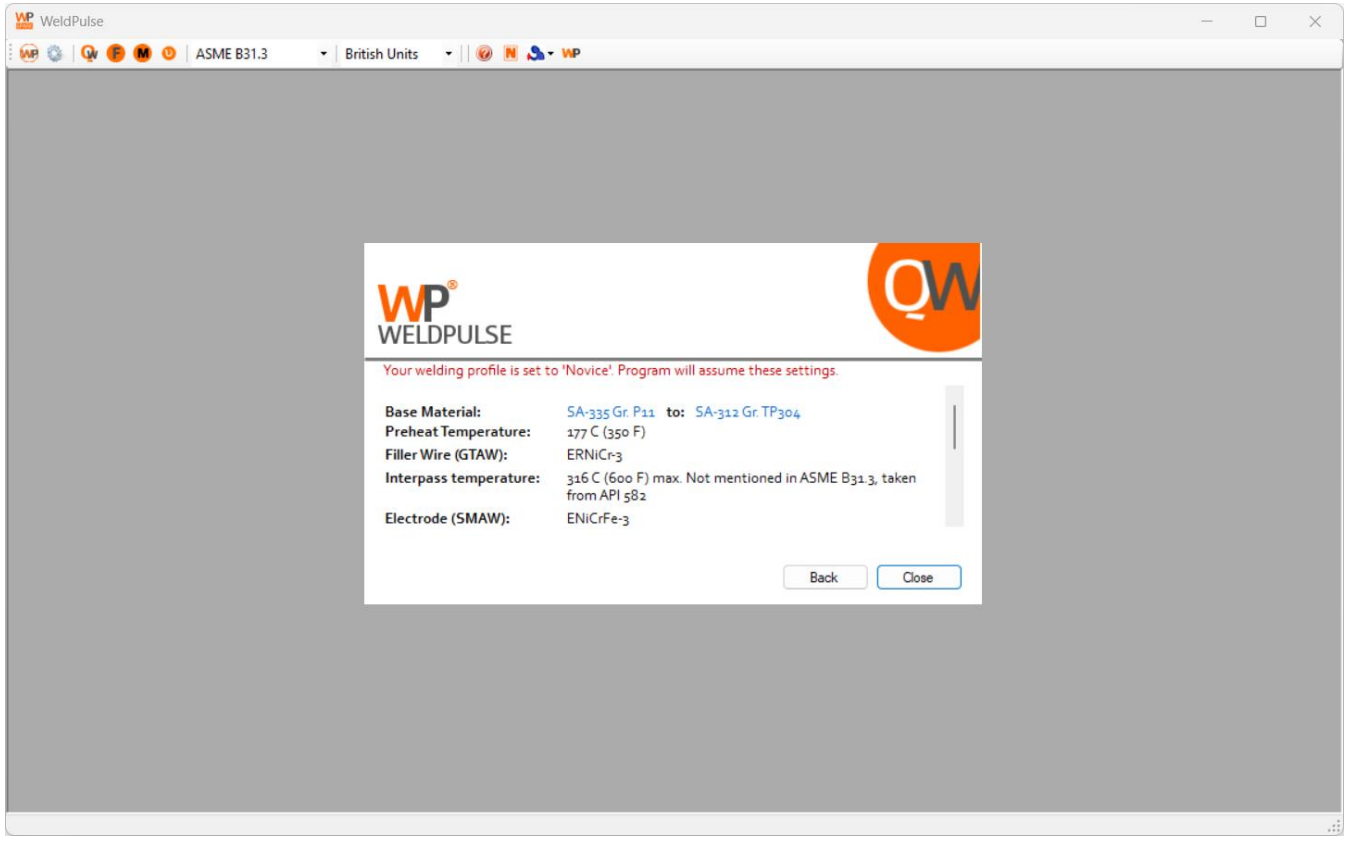
Results for Novice settings are as here (part 1/2):



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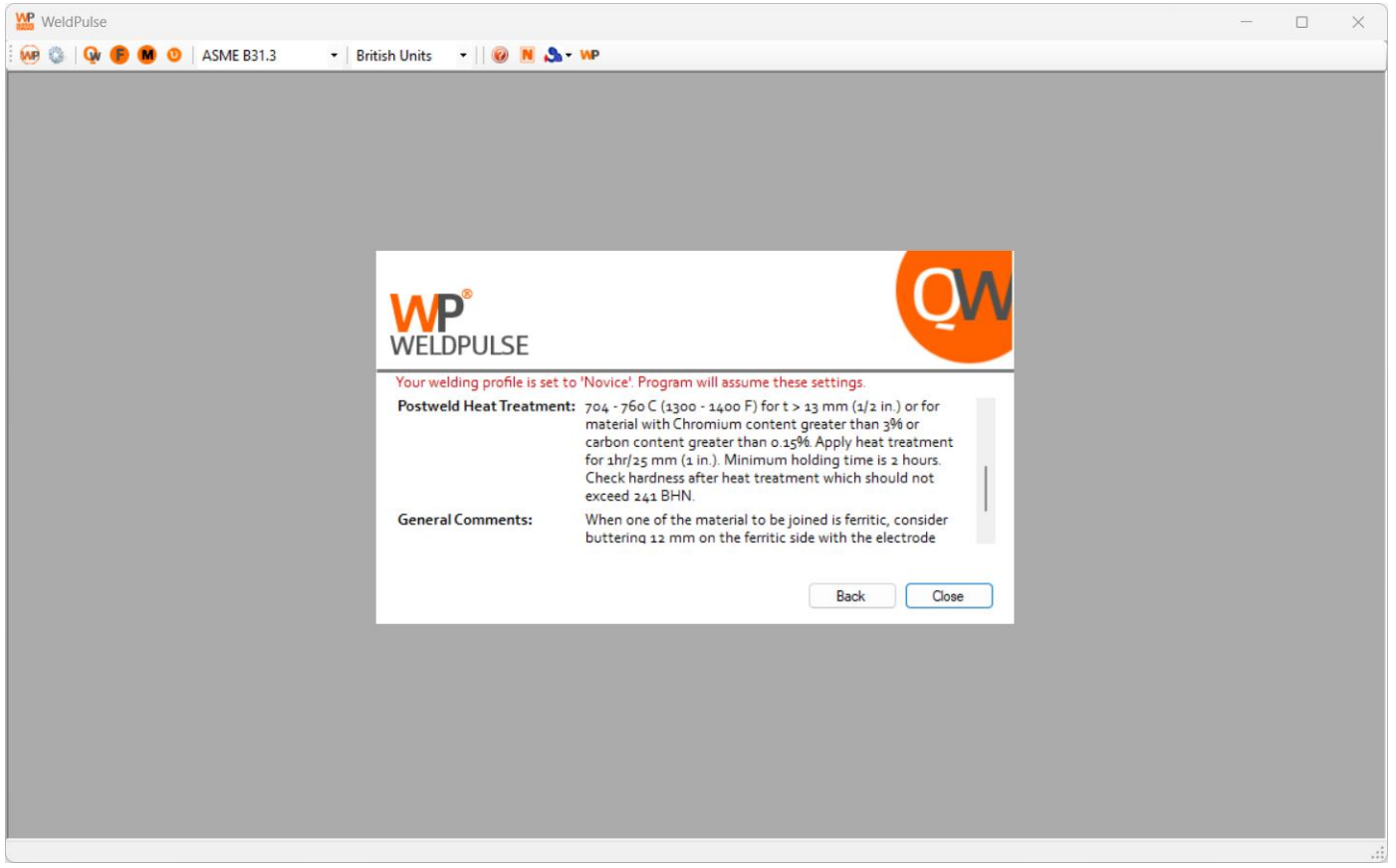
Results for Novice settings are as here (part 2)/2:



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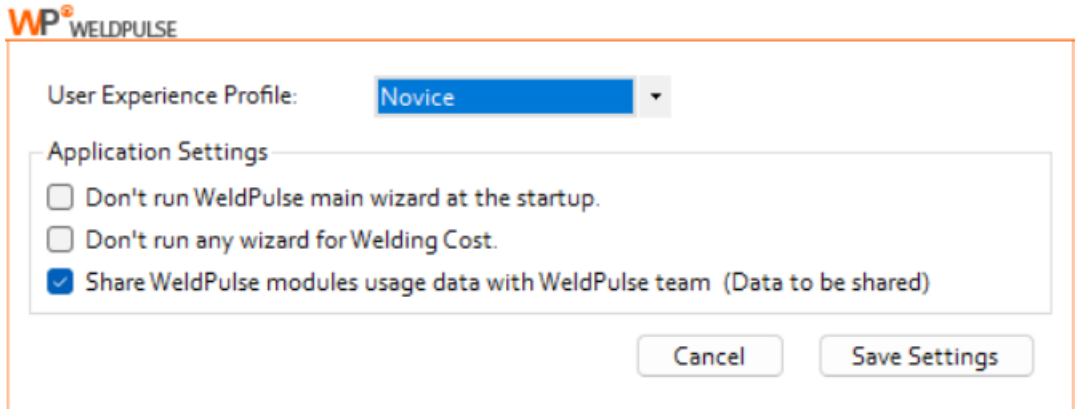
Let's change the profile to beginner and then use QuickWeld®:

Change the profile to beginner and click **Save Settings**



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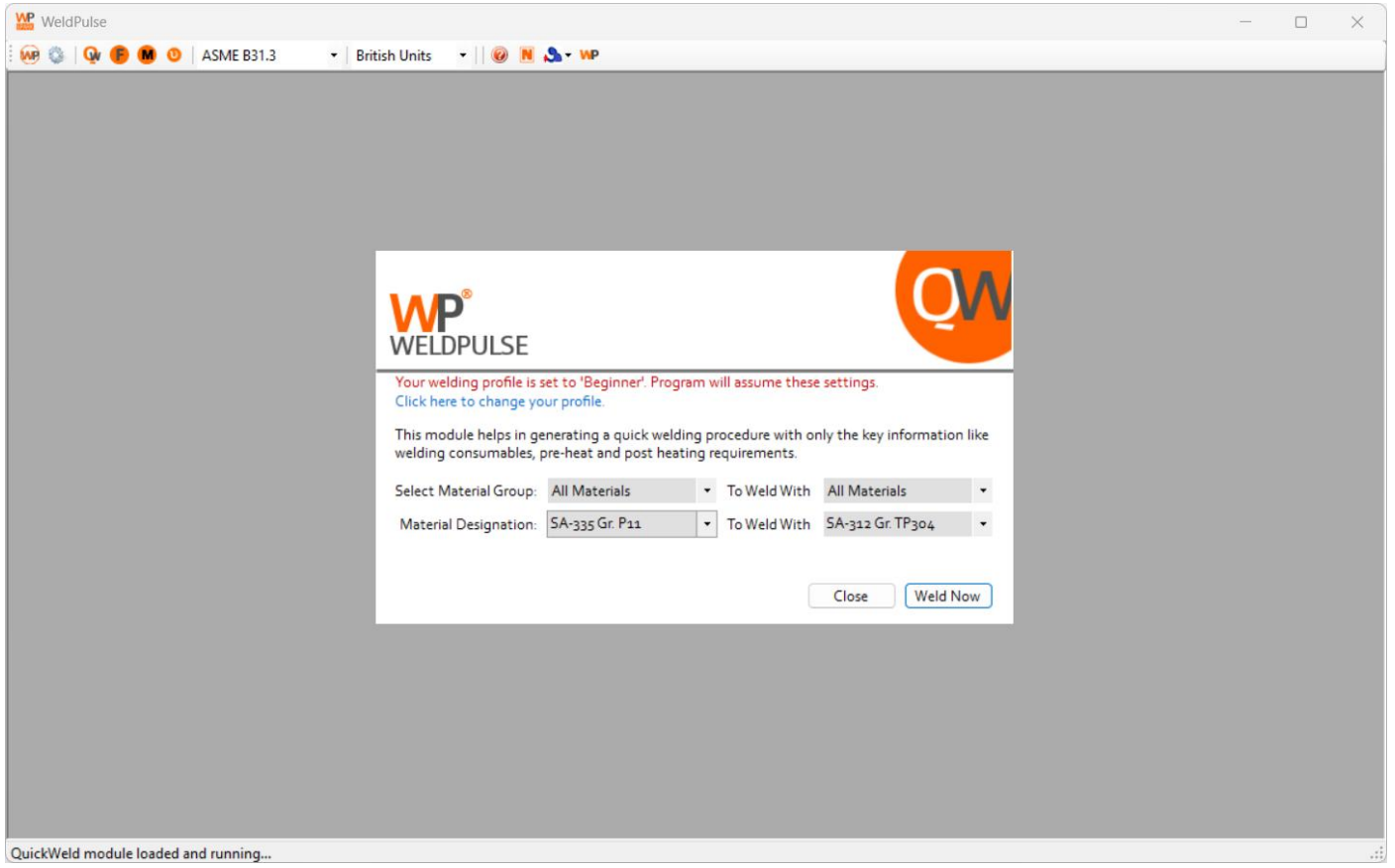
See in this profile setting, no general guidelines offered



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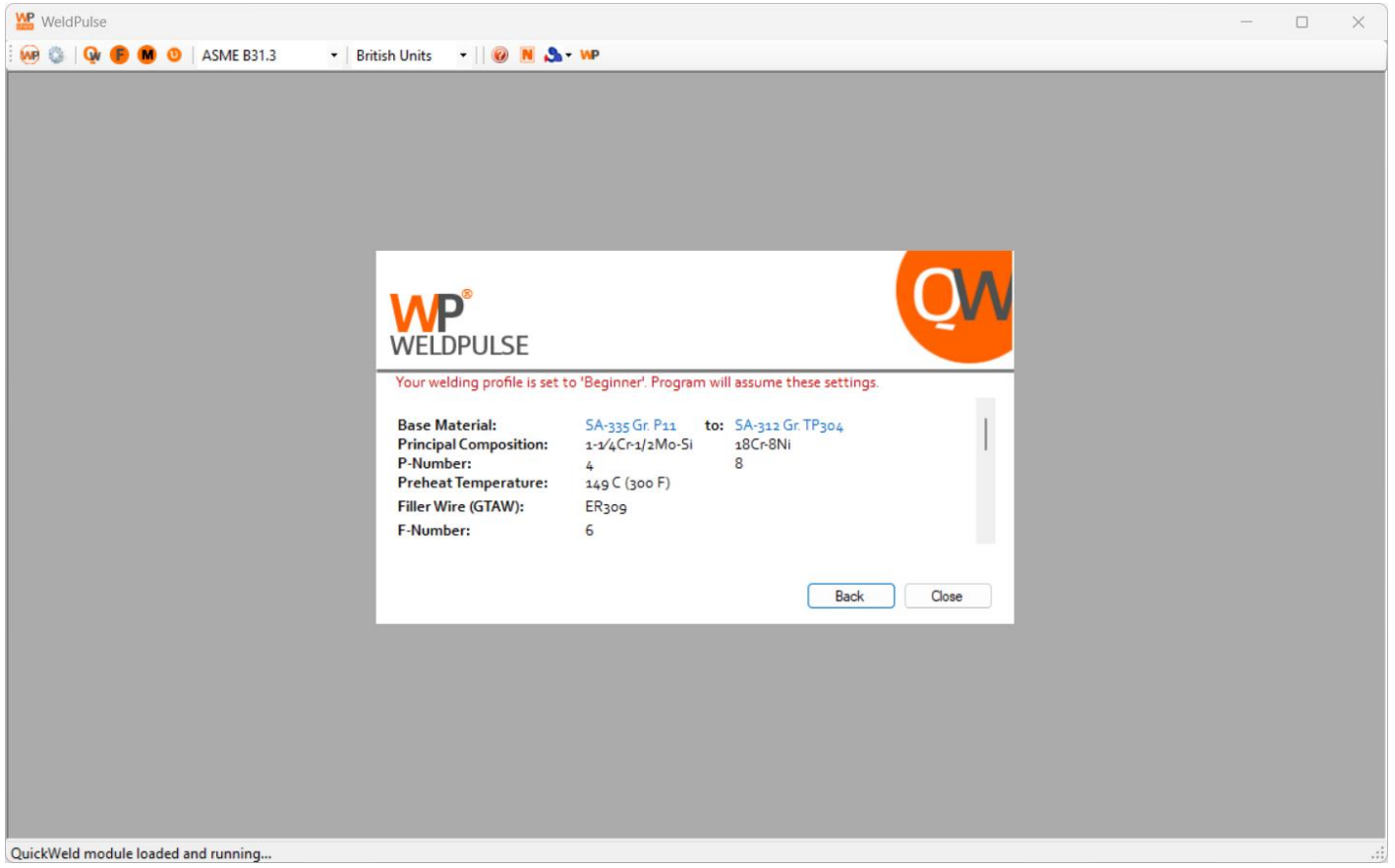
See the level of details offered to Beginner (part 1/3):



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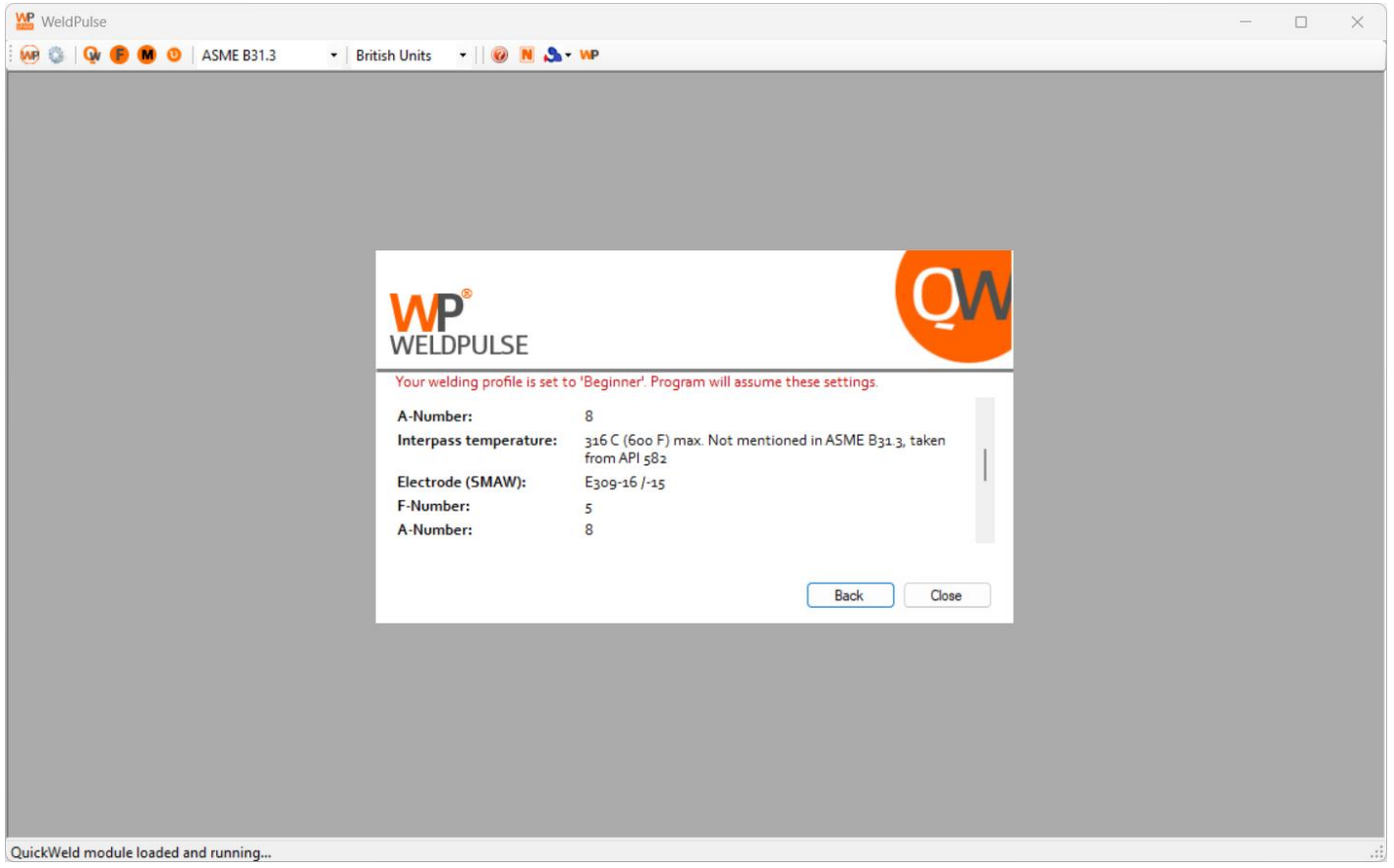
See the level of details offered to Beginner (part 2/3):



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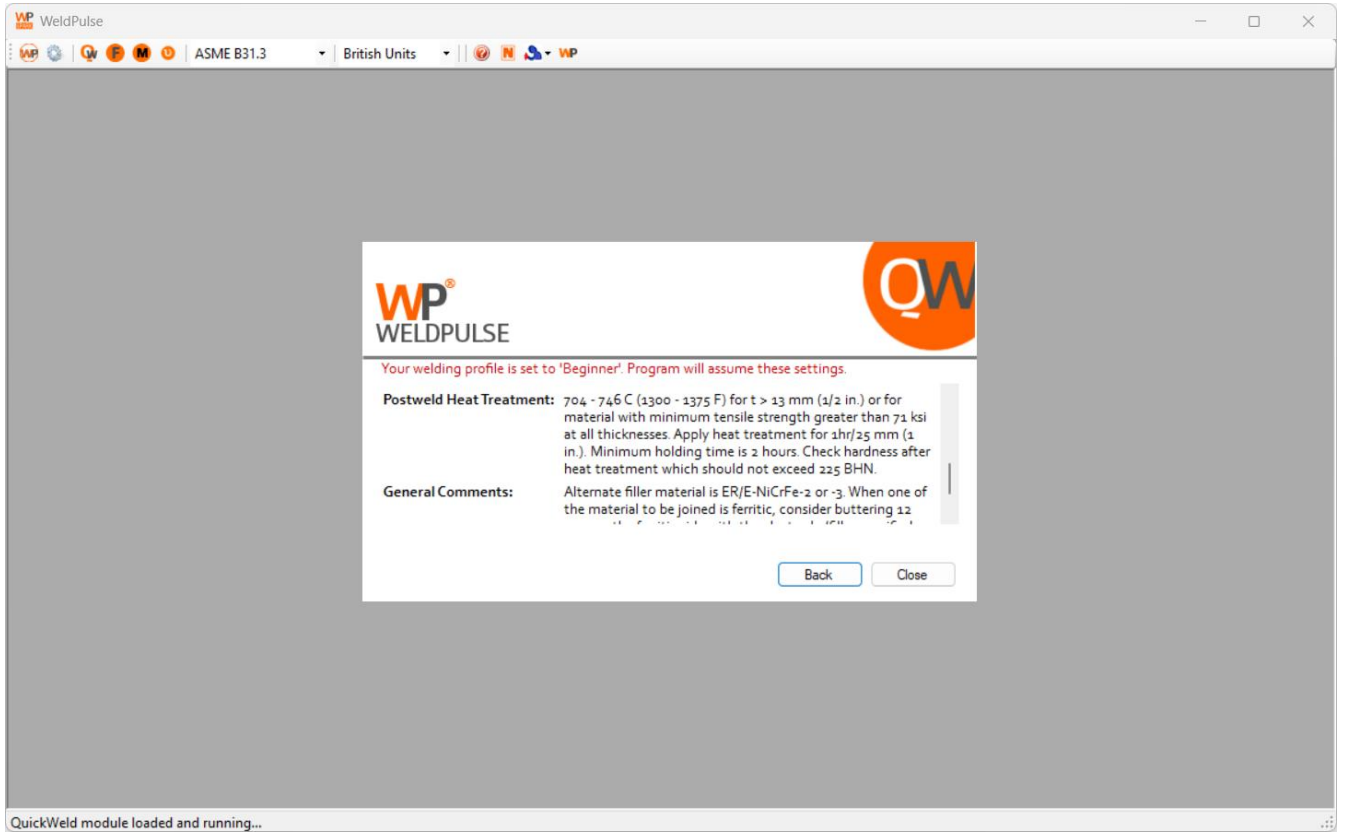
See the level of details offered to Beginner (part 3/3):



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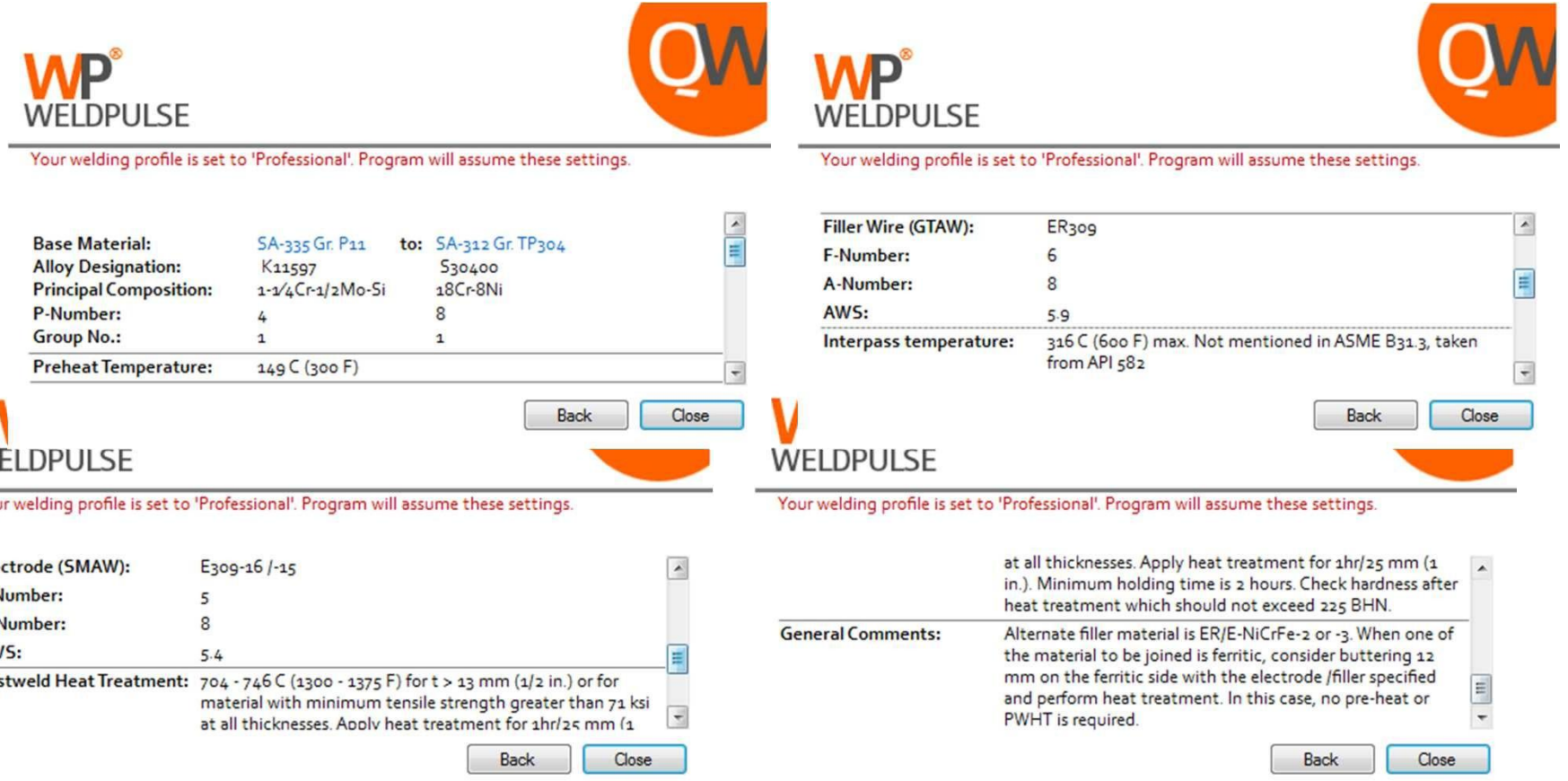
QuickWeld®

Professional results show as below:



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Material Properties

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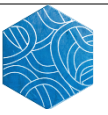
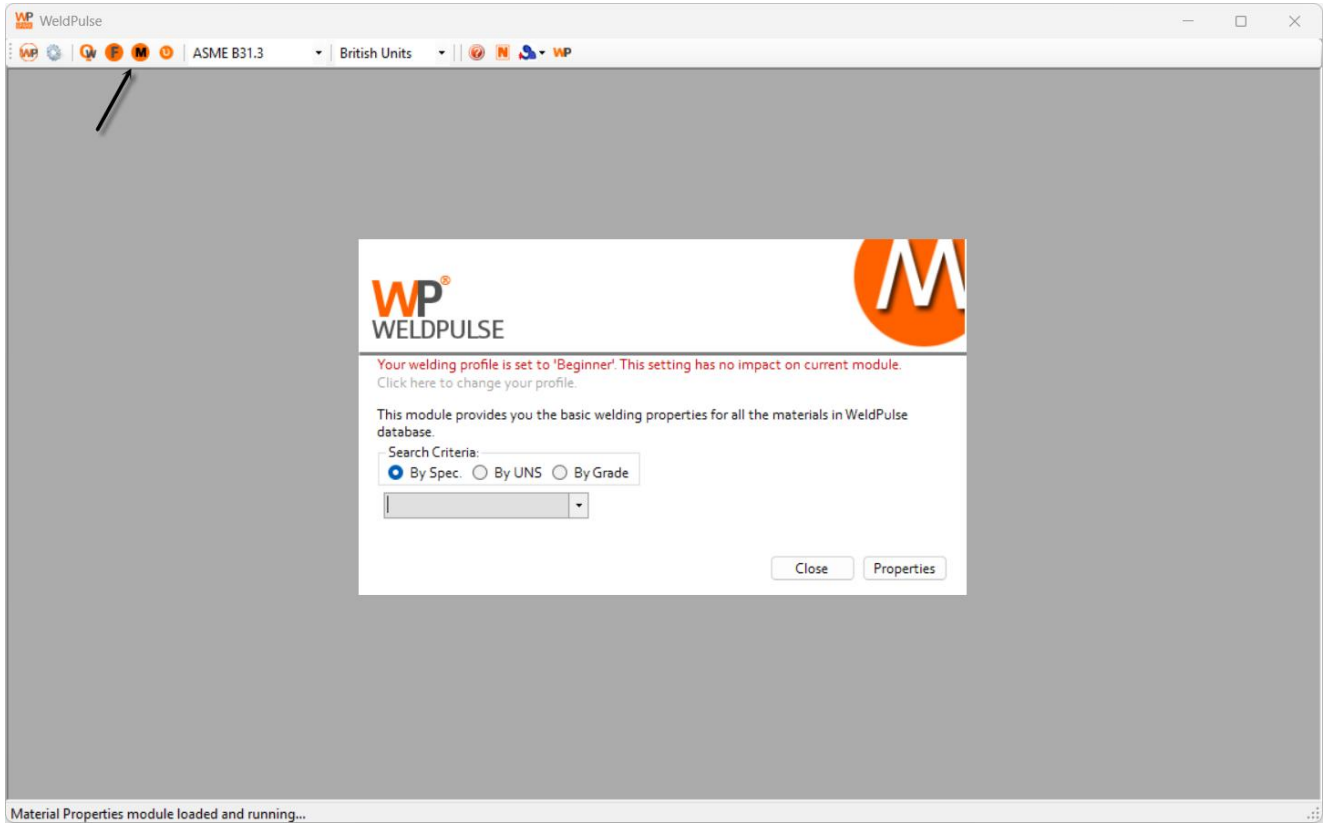


Material Properties

WeldPulse® provides chemical and mechanical properties of materials in database.



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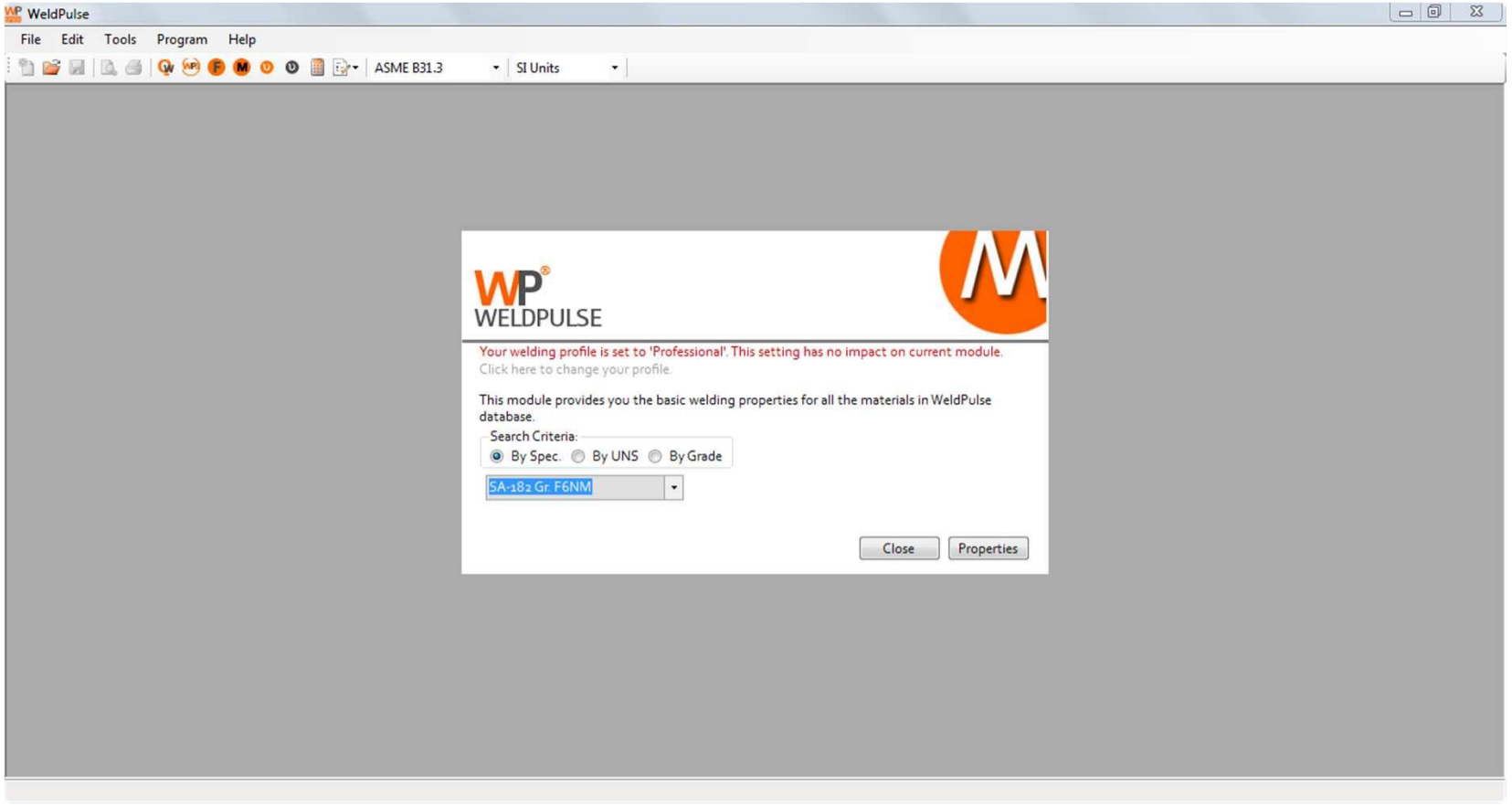
Material Properties

Enter either the specification, grade or UNS number to get the properties



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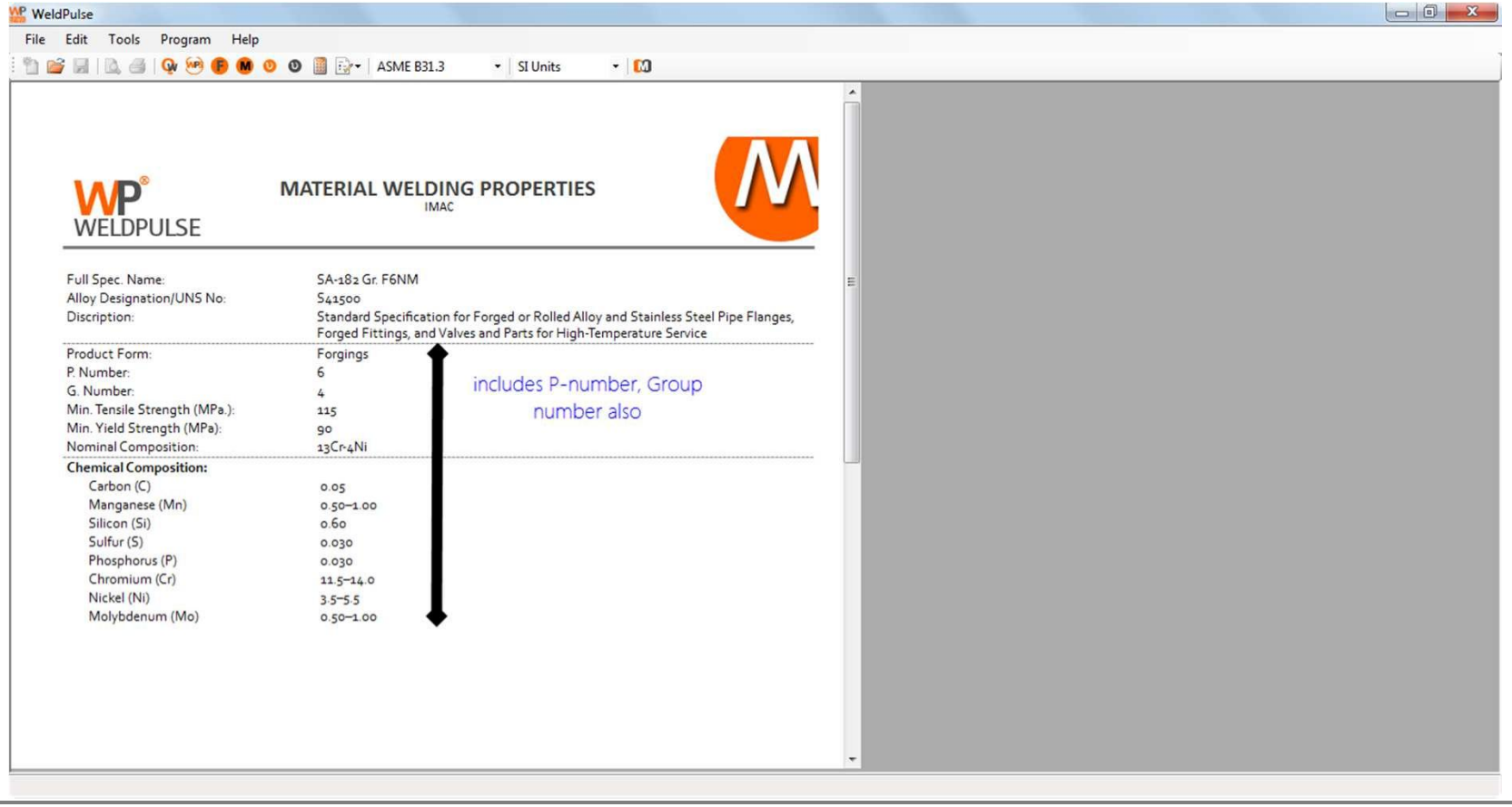
Material Properties

Properties appear like shown below:



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Filler Properties

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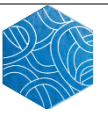
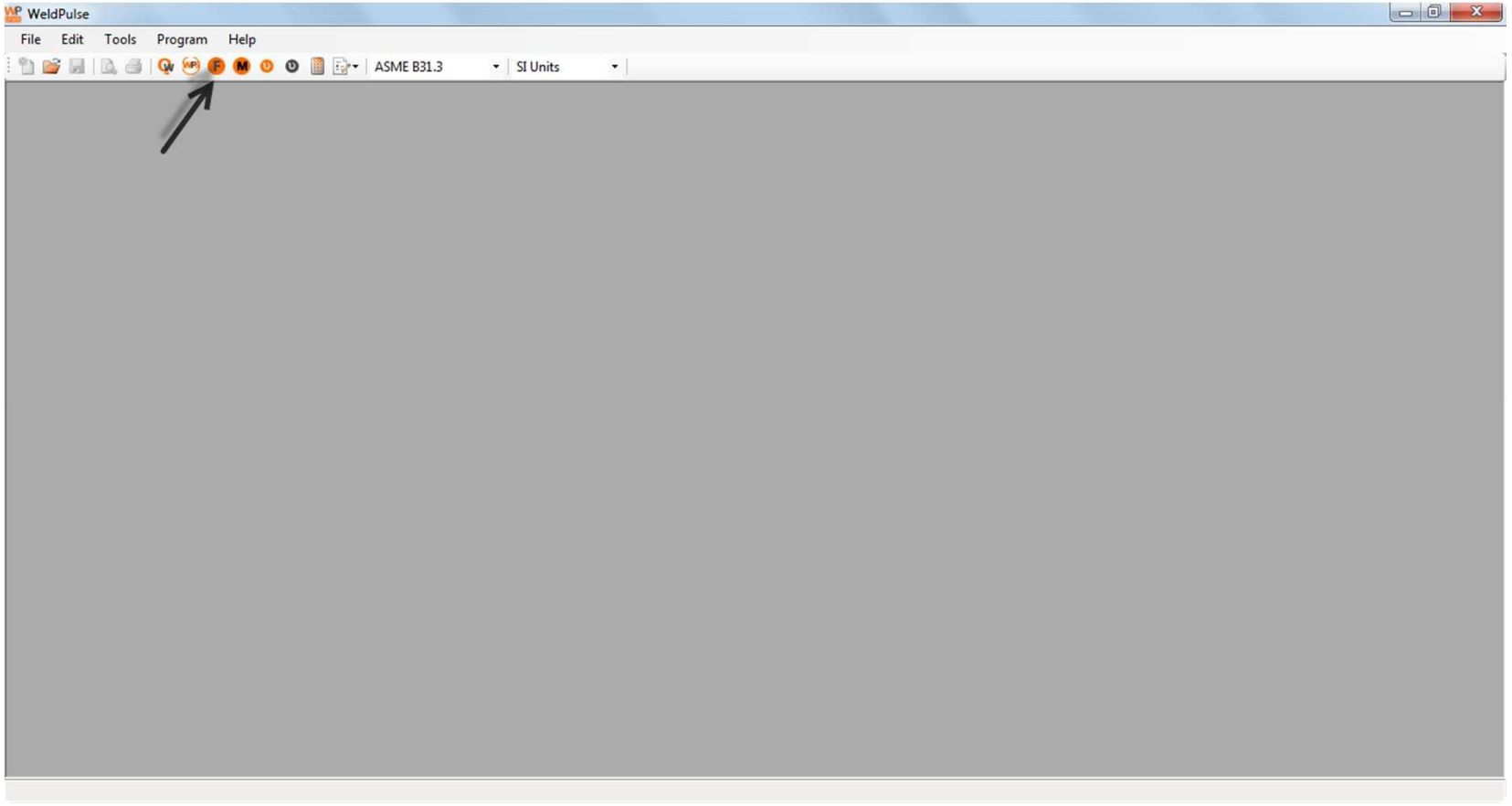


Filler Properties

Filler materials database is included for SMAW & GTAW processes



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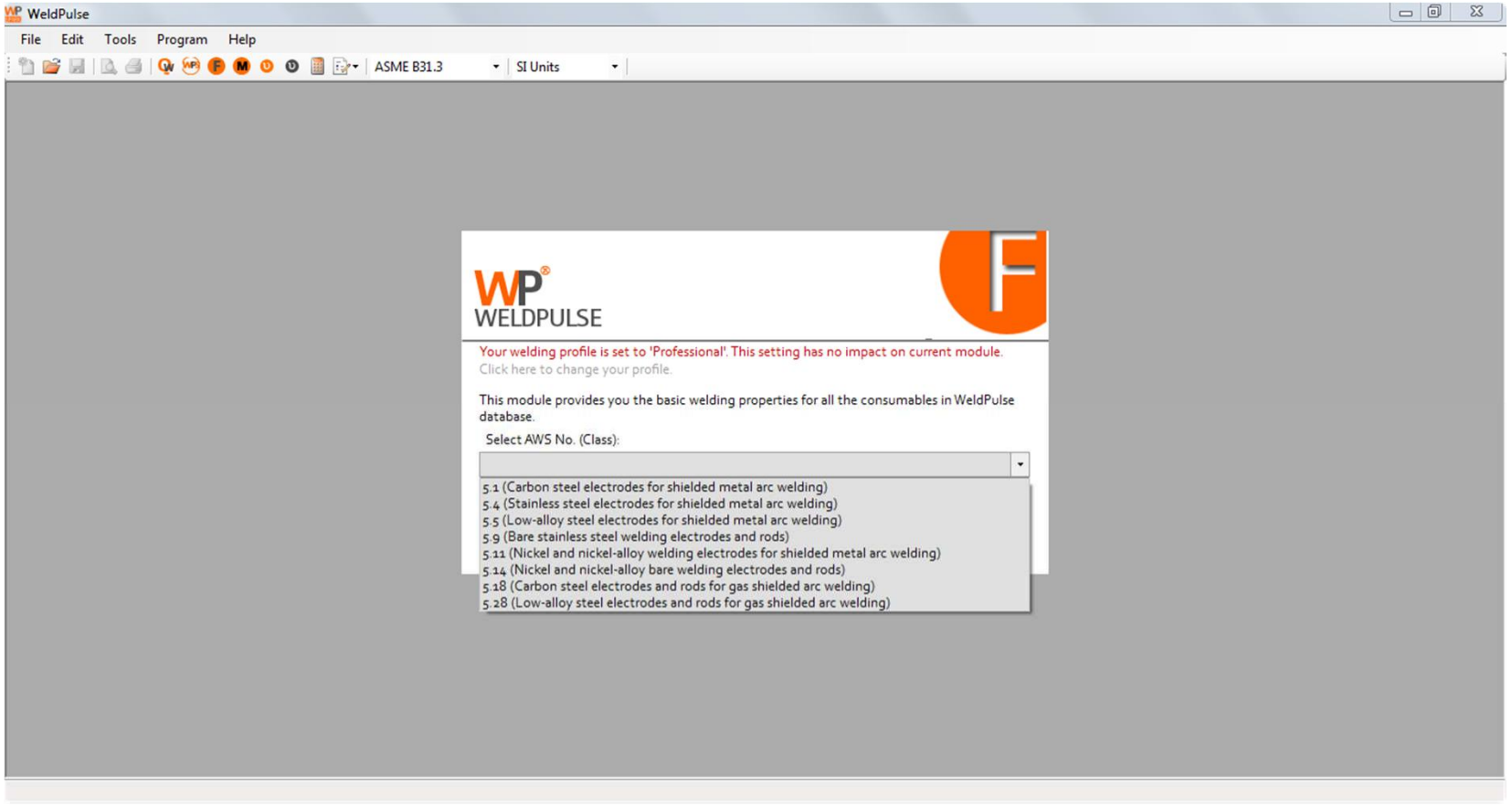
Filler Properties

Choose the appropriate AWS classification



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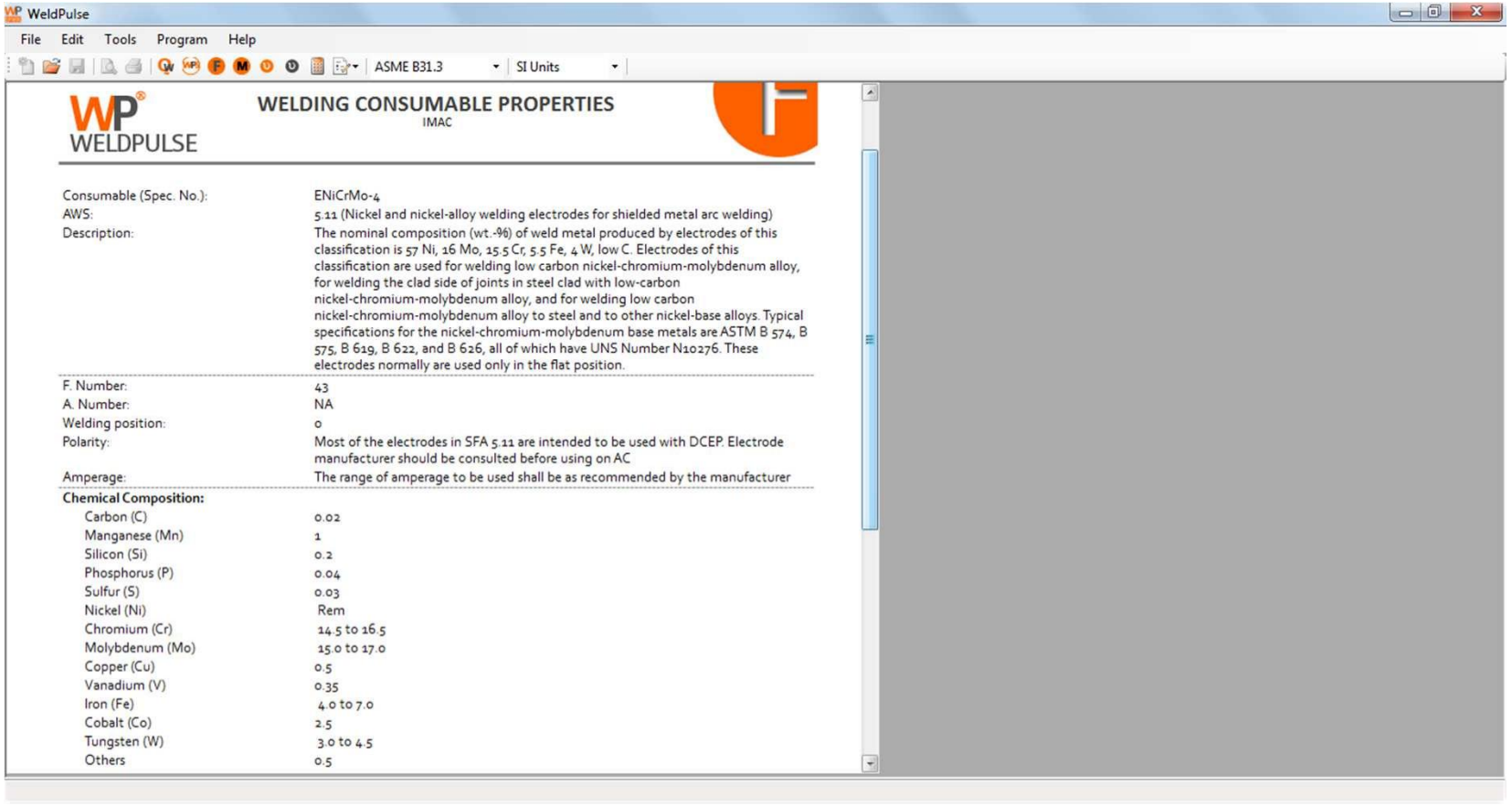
Filler Properties

Filler properties are shown as below:



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Procedure Variables

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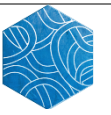
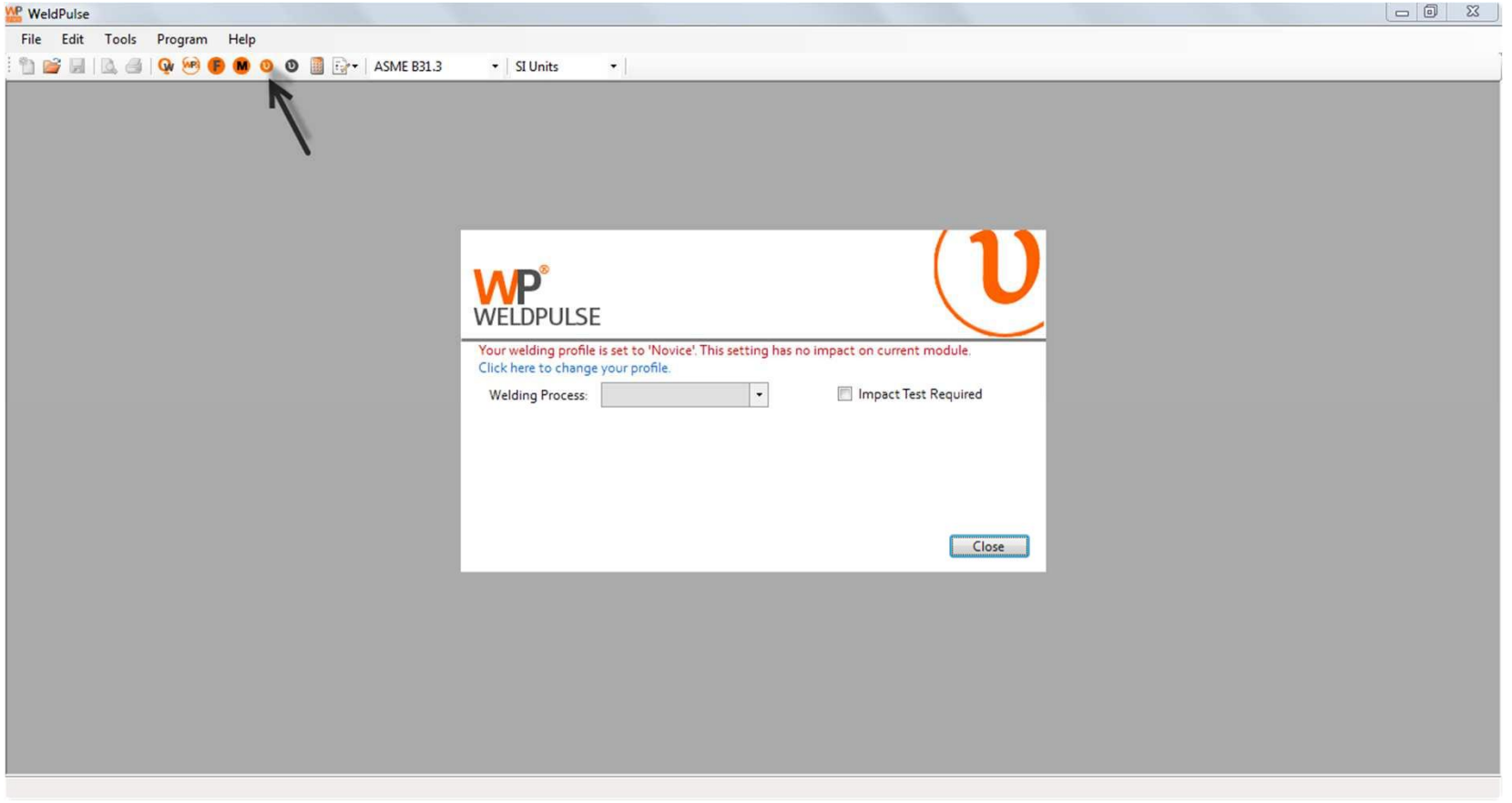


Procedure Variables

Check the procedure applicability



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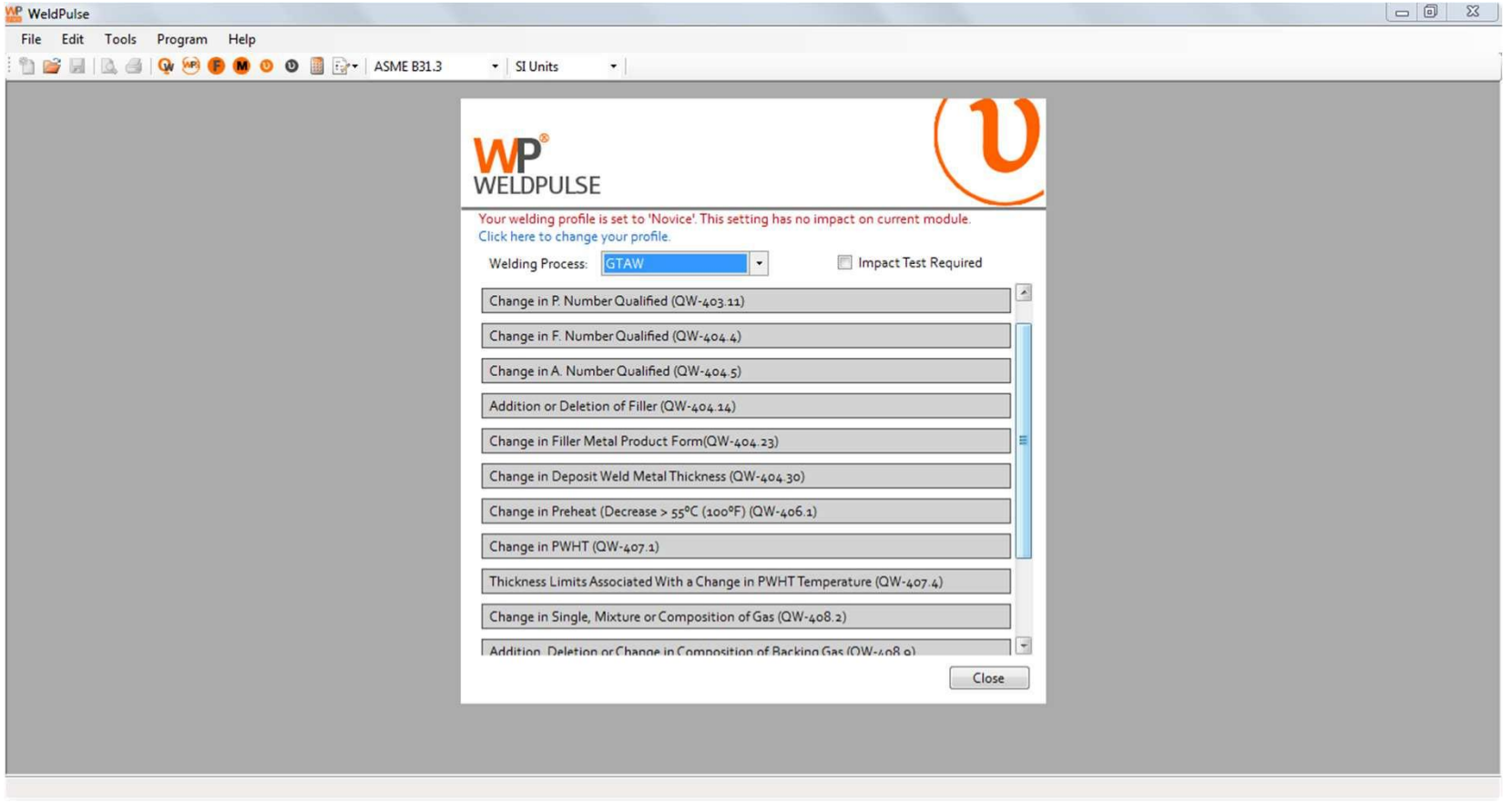
Procedure Variables

Select the welding process



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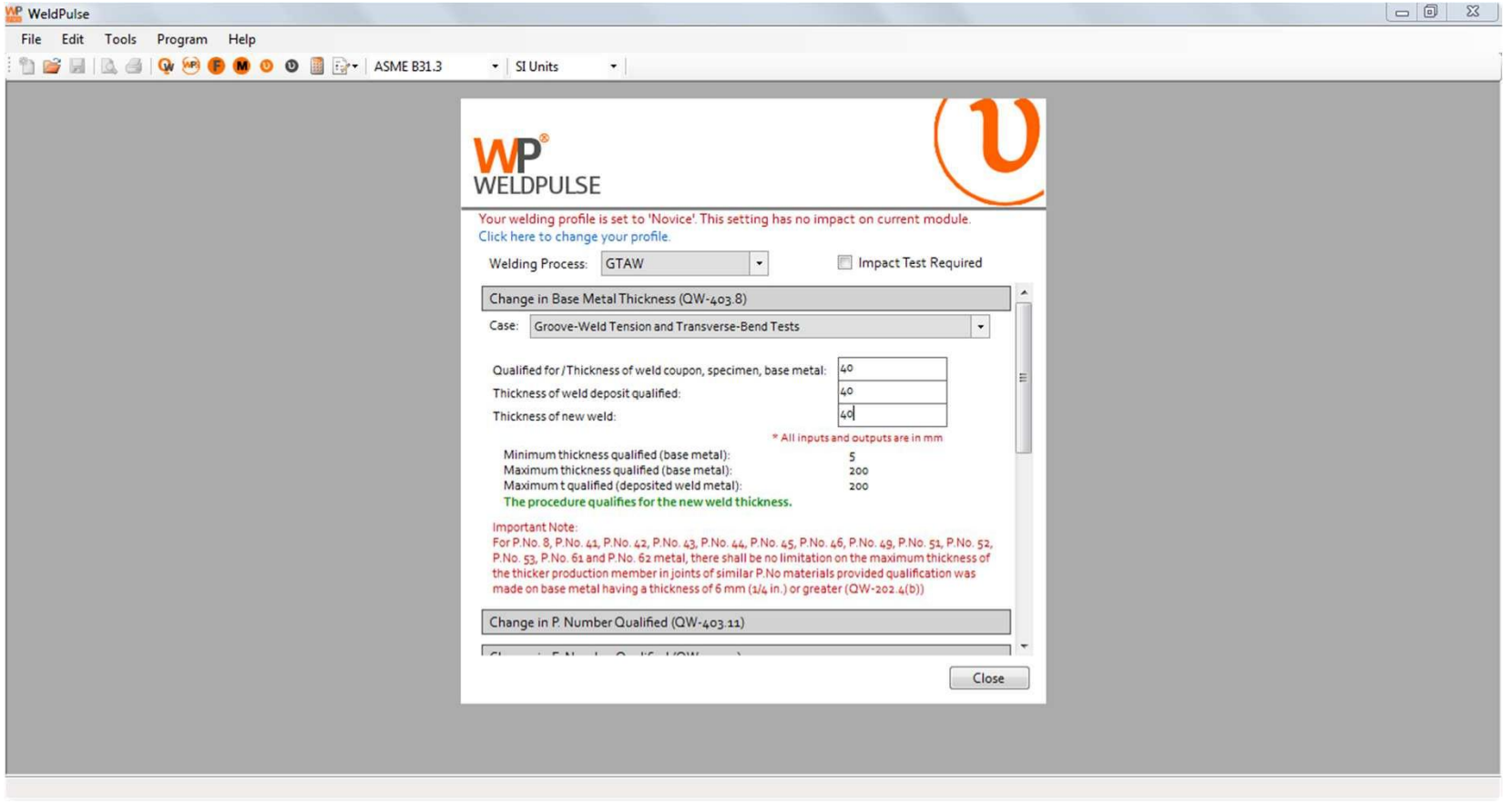
Procedure Variables

Check any variable to see if re-qualification is required



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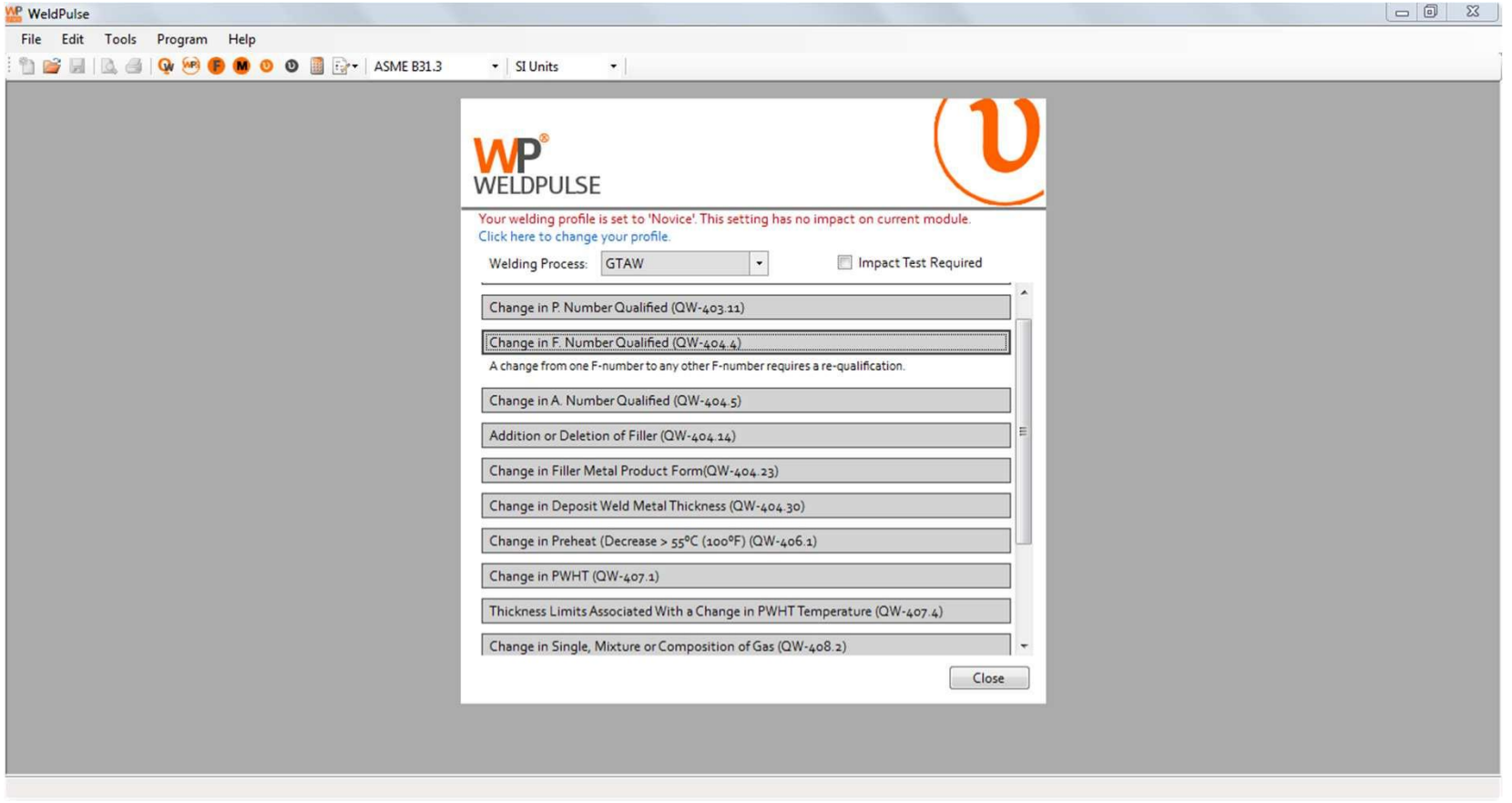
Procedure Variables

What happens if F-number is changed…?



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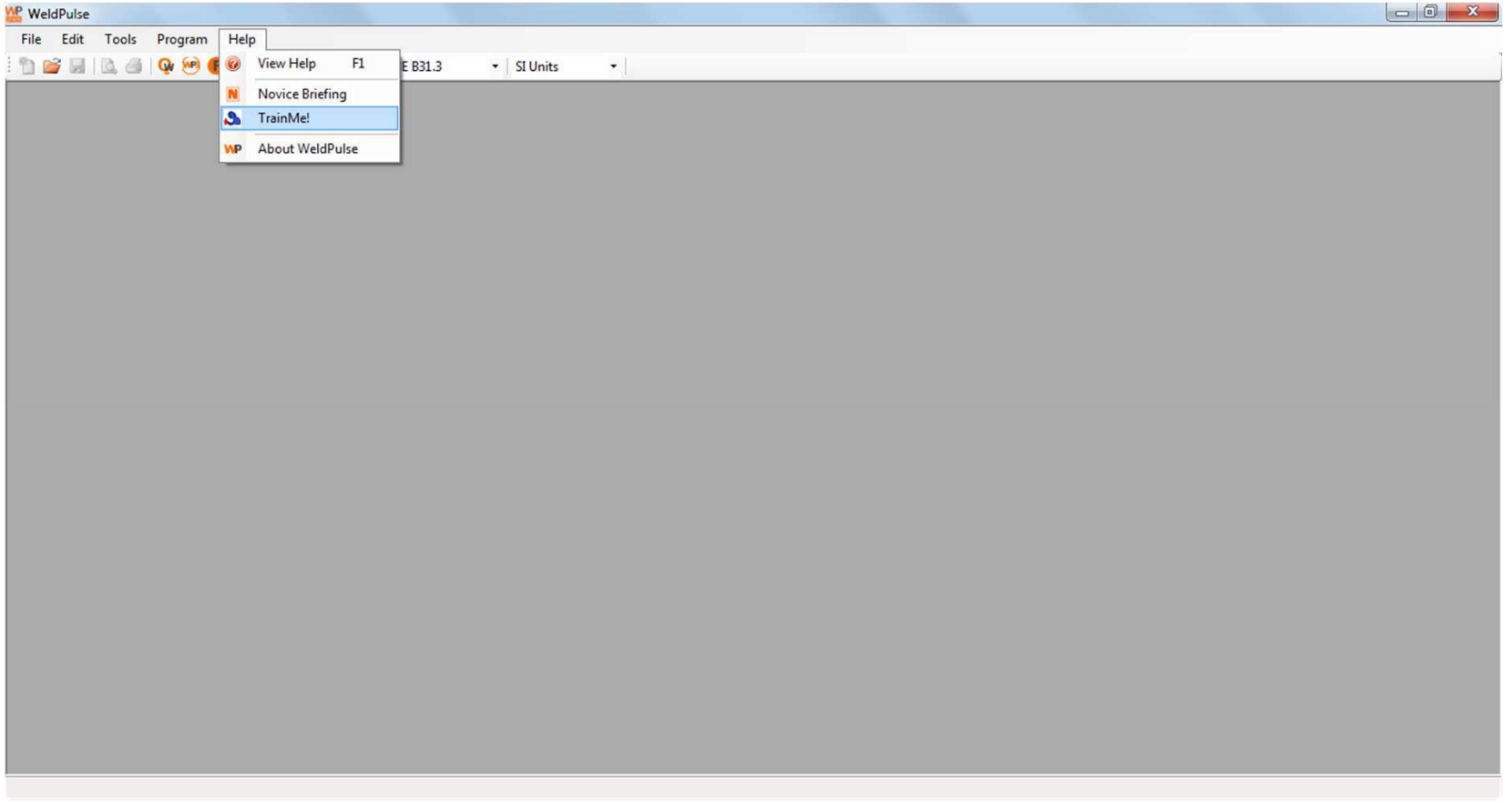

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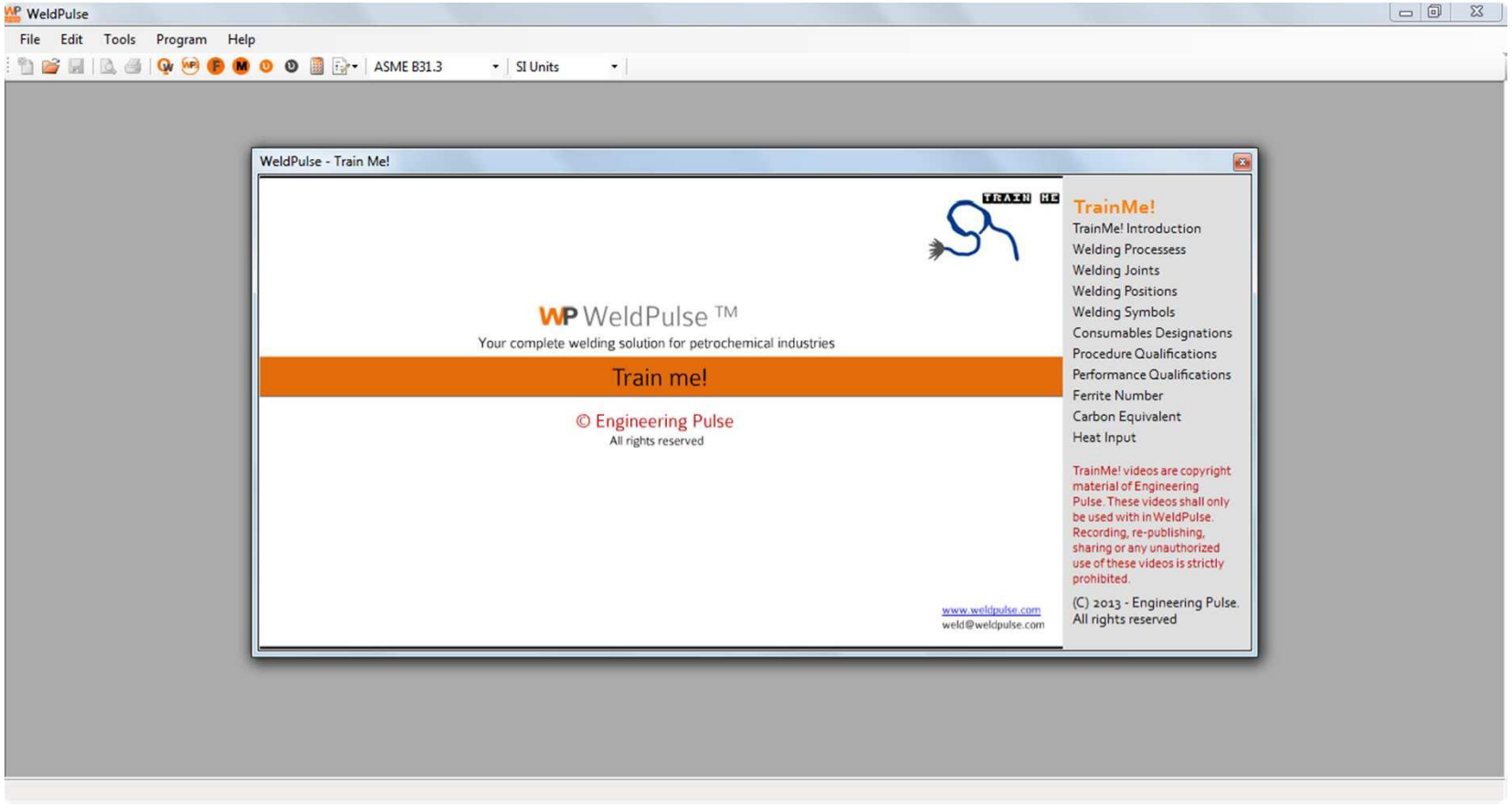

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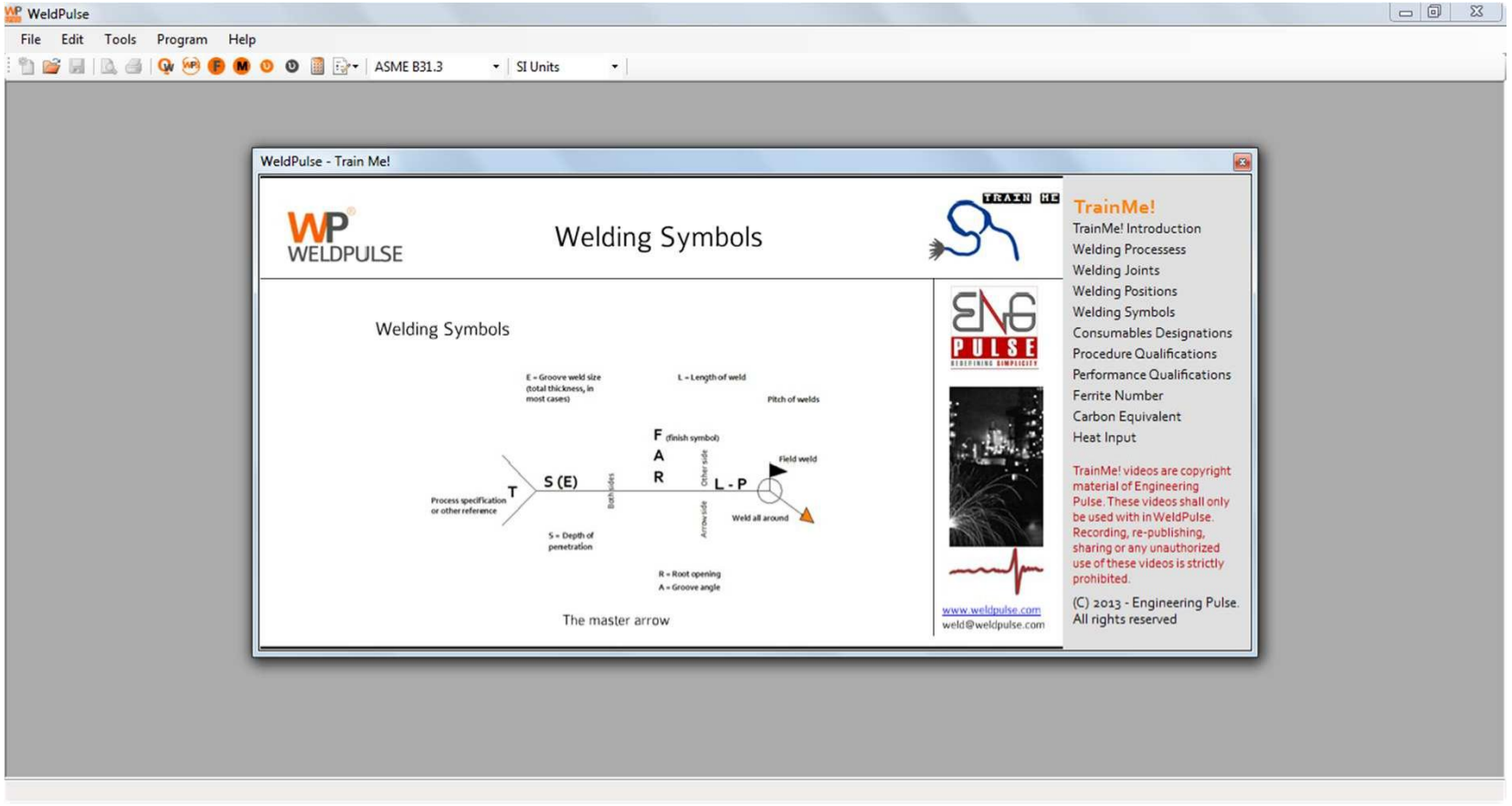

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Contact us

WELDPULSE

Technical:

weld@WeldPulse.com

Sales:

sales@PetroStreet.com

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