

Structural Mechanics (VPS) Explicit - Material Modeling

2 Days

DURATION

2

MODULES

11

TOPICS

COURSE OVERVIEW

The aim of the course is to impart practical knowledge for the application of the material models available in Structural Mechanics (VPS)/PAM-CRASH. The necessary theoretical basics are briefly presented at the beginning of the respective special topic. Typical phenomena of individual material classes and the possibility of describing these phenomena with Structural Mechanics (VPS)/PAM-CRASH will be discussed. The participants are informed which model is optimal for the respective material and load case.

WHO THIS COURSE IS FOR

- Structural Mechanics (VPS) or CAE engineers.

PREREQUISITES

- Structural Mechanics (VPS) Explicit - Basic Crash Modeling

LEARNING OBJECTIVES

What You Will Learn

- Understand the phenomena of individual material classes and learn which standard material models exist in Structural Mechanics (VPS) to describe this material behavior.

COURSE SYLLABUS

2 Modules, 11 Topics

DAY 1

01

Basic Material Modelling

TOPICS

- Introduction
- Metals + exercise
- Plastics
- Foams
- Rubber
- Fabric
- Adhesive

DAY 2

02

Damage & Failure

TOPICS

- Introduction
- General theory + exercise
- Standard models
- Advanced models

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

Visit koenig-solutions.com

✉ info@koenig-solutions.com