



ASM INTERNATIONAL

Mat-E™ Frequently Asked Questions

Your AI-powered materials science assistant, built on ASM's peer-reviewed, curated content.

WHAT IS MAT-E?

Q: What is Mat-E?

A: Mat-E is ASM International's AI-powered materials science assistant. It is built entirely on ASM's curated, peer-reviewed content. It provides responses to materials science questions using ASM's trusted, peer-reviewed technical content.

Each response includes citations to the ASM sources used.

Q: What is ASM content?

A: ASM content is the technical information published by ASM International to support materials science and engineering. It includes all [ASM Databases](#).

Mat-E sources responses directly from this content so you can explore ASM's materials science knowledge in a new way.

Q: What ASM content does Mat-E draw from?

A: Mat-E is indexed across ASM's full content portfolio, including:

- ASM Handbooks Online (50+ volumes)
- Alloy Digest (70+ volumes of alloy data)
- Failure Analysis Database (27 volumes of real-world case histories)
- ASM Technical Books (100+ practical reference guides)
- Conference Proceedings
- Micrograph Database and Alloy Center Database
- Global Materials Platform PRO and Materials Platform for Data Science
- Medical Materials Database

Mat-E's access is continuously expanding as ASM integrates additional data products.

Q: Is Mat-E just another chatbot?

A: No. General-purpose AI tools draw from the open web and can generate responses that are plausible but unverified. Mat-E draws from ASM's verified, peer-reviewed content portfolio. Mat-E provides responses supported by ASM source material, with citations so you can review the original information. It also has an optional external mode for broader research when needed, but its core strength is ASM-grounded responses.

Q: Who is Mat-E built for?

A: Mat-E is built for anyone who works with materials science: engineers, researchers, students, procurement professionals, and technical specialists who need fast, trustworthy responses without manually digging through volumes of reference material.

Q: What kinds of questions can I ask Mat-E?

A: Mat-E can help with a wide range of materials science questions, including:

- Alloy properties, compositions, and equivalencies
- Corrosion behavior and environmental degradation
- Heat treatment and processing parameters
- Failure analysis and root cause identification
- Phase diagrams and transformation behavior
- Material selection for specific applications
- Mechanical, physical, and chemical properties

Q: What is the difference between Mat-E and the Mat-E Help Bot?

A: The two tools serve different purposes:

	ASM Help Bot	Mat-E
Purpose	Helps you find information on the ASM website	Helps you research materials science topics
Use it to	Find products, resources, events, membership information, and more	Explore materials science questions and topics
ASM content	Helps you find relevant resources	Uses available ASM content to provide responses
Access	Available through the ASM website	Requires Mat-E subscription

Both tools use your ASM login credentials, but access to Mat-E requires a Mat-E subscription.

ACCESS AND FREE TRIAL

Q: Can I try Mat-E before subscribing?

A: Yes. Mat-E offers a free trial with no credit card required.

During the free trial, Mat-E can draw from ASM's full collection of content, giving you the opportunity to experience the broadest range of information Mat-E can provide.

The free trial includes 25 responses.

Visit [Mat-E.org](https://mat-e.org) to start your free trial.

Q: What content does Mat-E use during the free trial?

A: During the free trial, Mat-E can draw from ASM's full collection of content. This allows you to experience Mat-E with the broadest range of ASM information available.

The goal is to give you a full picture of what Mat-E can do before you decide which ASM content subscriptions are most valuable to you.

Q: Is the free trial the same as subscribing to ASM content?

A: No. The free trial gives you temporary access to Mat-E using ASM's full collection of content. Original source material access is still dependent on your active content subscriptions.

After the trial, you can choose which ASM content subscriptions you want to add to your collection. Mat-E can then use the content you have access to when providing responses.

SUBSCRIPTIONS AND PRICING

Q: How much does Mat-E cost?

A: Mat-E is available as an annual subscription, with discounted pricing for ASM members.

Introductory pricing for individual subscriptions start at \$240 per year for ASM Members and \$265 for non-members.

A free trial is available with no credit card required.

Multi-user and organizational pricing is also available.

Contact AI@asminternational.org or call 440.338.5151 for more information.

Q: Is Mat-E included with my ASM membership?

A: No. Mat-E is a supplemental subscription to ASM databases, separate from ASM membership. ASM members receive a discounted rate. Membership and Mat-E are two separate products.

Q: Does Mat-E replace my existing ASM database subscriptions?

A: No. Mat-E does not replace your existing ASM subscriptions.

Instead, Mat-E gives you a new way to search, explore, and use the ASM content you already have access to. Your available ASM content determines which sources Mat-E can use when providing responses.

Q: Why does my Mat-E experience depend on what I already subscribe to?

A: Mat-E draws its responses from the ASM content products you have active access to. If you subscribe to ASM Handbooks Online, Mat-E can draw from those volumes in full. If you also hold Alloy Digest or the Failure Analysis Database, Mat-E incorporates those as well. The subscription model is designed so that Mat-E grows in value alongside your existing investment in ASM content.

If Mat-E identifies that a relevant answer exists in an ASM product you do not currently subscribe to, it will tell you where the data lives and how to get access.

Q: Is multi-user or institutional pricing available?

A: Yes. Multi-user pricing is available for organizations deploying Mat-E across teams or facilities. This pricing is not listed publicly. Contact us at AI@asminternational.org or call 440.338.5151 to discuss the right structure for your organization.

CONTENT AND DATA

Q: Does Mat-E ever make things up?

A: Mat-E is designed to draw only from verified ASM content and cite every response to a source. If Mat-E does not have access to relevant content, it tells you where the data lives rather than guessing. That said, no AI system is perfect. Always verify critical engineering decisions against the cited source material.

Q: Why does Mat-E cite sources in every response?

A: Source citations are a core design principle. Citations make it easier to understand where the information in a response comes from and review the original ASM source. You can follow the citation to explore the source material and its full context.

Q: Can Mat-E search the broader internet?

A: Mat-E's primary experience is based on ASM content. An optional external mode is available when broader research is needed. ASM content remains the primary source for the Mat-E experience.

GETTING STARTED

Q: How do I get access to Mat-E?

A: There are three ways to get started:

- Try Mat-E at [Mat-E.org](https://mat-e.org) with no credit card required for 25 responses.
- Individual subscription: Subscribe at [Mat-E.org](https://mat-e.org) or through your ASM account at my.asminternational.org.
- Multi-user or institutional access: Contact us at AI@asminternational.org or call 440.338.5151.

Q: Where can I learn more or ask questions?

A: Visit [Mat-E.org](https://mat-e.org) for the latest information on Mat-E, including access options and updates. You can also reach the Mat-E team directly at AI@asminternational.org or by phone at 440.338.5151. For database subscriptions that enhance your Mat-E experience, contact onlineDBsales@asminternational.org.