apsc study material Reference

Understanding the Importance of APSC Study Material

APSC study material plays a vital role in preparing candidates for the Assam Public Service Commission (APSC) examinations. As one of the most competitive exams in the northeastern region of India, the APSC exam demands comprehensive knowledge, strategic preparation, and consistent practice. The right study material not only helps aspirants grasp complex concepts but also boosts confidence, improves time management, and enhances overall performance. Whether you are targeting the Assam Civil Services, Assam Police Services, or other state-level administrative posts, having access to reliable and updated study resources is essential.

In this article, we will explore the various facets of APSC study material, including its significance, types, sources, and tips for selecting the best resources to excel in the exam.

Why is APSC Study Material Crucial for Success?

1. Structured and Focused Content

APSC study material provides a well-organized syllabus covering all essential topics. It helps aspirants avoid unnecessary information and focus on relevant subjects, making preparation efficient.

2. Time-Saving Resource

With a vast syllabus to cover, quality study material saves valuable time by summarizing key concepts, providing quick revision notes, and highlighting important points.

3. Updated and Relevant Information

Competitive exams evolve, and so do the patterns and syllabus. Reliable study material is regularly updated to include current affairs, recent policies, and recent exam trends.

4. Confidence Building

Thorough preparation using authentic resources enhances confidence, reduces exam anxiety, and improves performance in the actual exam scenario.

5. Practice and Assessment

Most study materials include practice questions, previous years? papers, mock tests, and quizzes, which are essential for self-assessment and improvement.

Types of APSC Study Material

1. Textbooks and Reference Books

Standard textbooks covering subjects like General Studies, Indian Polity, Geography, History, and Economy form the foundation. Recommended books include:

- NCERT textbooks (Class 6-12)
- Lucent?s General Knowledge
- Indian Polity by M. Laxmikanth
- Indian Economy by Ramesh Singh
- Geography by Majid Husain

2. Notes and Summaries

Concise notes prepared by coaching institutes or toppers help in quick revision and focus on key points.

3. Current Affairs Magazines and Newspapers

Staying updated with current affairs is crucial. Sources include:

- The Hindu
- Indian Express
- Pratidin Time
- Manorama Yearbook

4. Online Study Platforms and Apps

Digital resources offer interactive quizzes, video lectures, and mock tests. Popular platforms include:

- Unacademy
- Gradeup
- Testbook
- Khan Academy

5. Previous Year Question Papers and Mock Tests

Practicing past papers helps understand exam patterns, question types, and time management.

Sources for Reliable APSC Study Material

1. Official APSC Website and Notifications

Access the latest syllabus, exam pattern, and official guidelines directly from the APSC portal.

2. Government Publications and Reports

Use reports like the Census of India, Economic Surveys, and Government of India publications for authentic information.

3. Reputed Coaching Institutes

Many coaching centers publish comprehensive study packages, notes, and test series tailored specifically for APSC exams.

4. Libraries and Academic Institutions

Local libraries and universities are valuable resources for textbooks, journals, and previous years? question papers.

5. Online Forums and Study Groups

Engage with aspirant communities on platforms like Reddit, Quora, and Telegram groups to exchange notes, doubts, and preparation strategies.

Tips for Selecting the Best APSC Study Material

1. Ensure Up-to-date Content

Always verify that the material reflects the latest syllabus, exam pattern, and current affairs.

2. Focus on Relevance

Choose resources that cover the core topics relevant to the APSC examination without unnecessary elaboration.

3. Use Multiple Sources

Combine textbooks, notes, current affairs, and mock tests to get a holistic understanding.

4. Practice Regularly

Consistent practice with previous papers and mock exams helps in identifying weak areas and improving speed.

5. Review and Revise

Revisit topics periodically using summarized notes and revision guides to reinforce learning.

How to Maximize the Effectiveness of Your APSC Study Material

1. Create a Study Plan

Design a timetable that allocates dedicated time slots for different subjects and topics, ensuring comprehensive coverage.

2. Prioritize Difficult Topics

Identify your weak areas and focus more on those subjects with the help of targeted study material.

3. Take Regular Breaks and Maintain Balance

Avoid burnout by following a balanced study routine with short breaks, physical activity, and adequate rest.

4. Stay Updated with Current Affairs

Dedicate daily time to reading newspapers, magazines, and online portals for the latest updates relevant to the exam.

5. Engage in Group Discussions and Mock Tests

Collaborate with peers for discussions and participate in mock tests to simulate exam conditions and improve time management.

Conclusion

APSC study material is the backbone of effective preparation for aspiring candidates aiming to excel in the Assam Public Service Commission examinations. By choosing authentic, comprehensive, and updated resources, aspirants can streamline their studies and enhance their chances of success. Remember, the key to cracking the APSC exam lies in consistent practice, strategic planning, and staying well-informed. Invest time in gathering quality study material, follow a disciplined approach, and stay motivated throughout your preparation journey.

With the right resources and dedication, your goal of securing a reputable government position in Assam is well within reach. Best of luck with your APSC exam preparation!

APSC Study Material: The Ultimate Guide for Aspiring Candidates

Preparing for the Assam Public Service Commission (APSC) examination demands dedication, strategic planning, and access to high-quality study resources. With the vast syllabus covering multiple subjects such as General Studies, Assam History, Geography, Polity, and Optional Subjects, aspirants often grapple with identifying the most effective study material. In this comprehensive review, we delve into what makes for an exceptional APSC study material, exploring various resources, their features, strengths, and how to leverage them for success.

Understanding the Importance of Quality Study Material for APSC

APSC exams are highly competitive, and success hinges on rigorous preparation rooted in reliable and comprehensive study resources. The right material not only covers the entire syllabus but also presents concepts clearly, provides practice questions, and aligns with the exam pattern.

Why is quality study material crucial?

- Efficiency in Preparation: Focused content saves time by eliminating unnecessary topics.
- Concept Clarity: Well-structured explanations help understand complex topics.
- Practice and Revision: Inclusion of previous years? papers, mock tests, and exercises aids reinforcement.
- Confidence Building: Familiarity with question patterns and difficulty levels reduces exam anxiety.

Key Features of Effective APSC Study Material

Before choosing or reviewing specific resources, it?s essential to understand what features make a study material stand out:

Comprehensive Coverage

The material should cover the entire syllabus, including current affairs, static portions, and relevant updates. It should encompass all subjects: General Studies, Assam-specific topics, and Optional Subjects.

Clarity and Simplicity

Clear language and straightforward explanations facilitate better understanding, especially for beginners.

Updated Content

Given that current affairs constitute a significant portion, materials must be regularly updated to include recent developments.

Practice Questions and Mock Tests

Inclusion of practice papers, previous years? questions, and mock tests help simulate exam conditions and assess readiness.

Visual Aids and Summary Sections

Diagrams, charts, tables, and summary notes help in quick revision and better retention.

Authoritative and Trusted Sources

Materials authored or curated by experienced educators or reputable coaching institutes tend to be more reliable.

Popular Types of APSC Study Material

Various formats are available to aspirants, each with its strengths. Understanding these helps in selecting the right combination for effective preparation.

1. Printed Books and Guides

Traditional yet effective, printed books from established publishers are widely used.

- Pros: Portable, easy to annotate, comprehensive coverage.
- Cons: May become outdated; can be bulky.

2. Online Courses and E-Learning Platforms

Web-based courses offer interactive lessons, video tutorials, and updated content.

- Pros: Accessible from anywhere, multimedia learning, regular updates.
- Cons: Requires reliable internet; may involve costs.

3. Mobile Apps and Digital Resources

Apps provide quick access to notes, quizzes, and current affairs updates.

- Pros: Convenient, real-time updates, customizable.
- Cons: Screen fatigue, quality varies.

4. Notes and Summary PDFs

Concise notes created by toppers or coaching institutes focus on high-yield topics.

- Pros: Time-saving, easy revision.
- Cons: May omit detailed explanations.

Top Recommended Study Materials for APSC Preparation

Based on expert reviews, student feedback, and industry reputation, here are some of the most trusted and effective study resources:

1. NCERT Textbooks

Why they matter: NCERT textbooks form the foundation for many subjects, especially History, Geography, Polity, and Economy. They are known for clarity, simplicity, and accuracy.

Recommended NCERTs:

- Class 6-12 History, Geography, Polity, Economy
- Special emphasis on Class 11 and 12 for in-depth understanding

2. Arun Sharma?s General Studies Series

Highlight: A comprehensive guide for GS covering static topics and current affairs with detailed explanations, practice questions, and revision notes.

3. ?Indian Polity? by M. Laxmikanth

Why: It?s considered the bible for Indian polity, essential for both prelims and mains.

4. ?Certificate Physical and Human Geography? by GC Leong

Purpose: An authoritative book for Geography, providing clear concepts with maps and diagrams.

5. Assam-specific Literature

Examples:

- ?Assam: A History? by S.L. Baruah
- ?Geography of Assam? by Dr. Bhattacharya
- Current affairs compilations focusing on Assam?s politics, economy, and culture

6. Current Affairs Magazines and Monthly Compilations

Popular options:

- ?Pratiyogita Darpan?
- ?Chronicle Assam?
- ?Yojana? and ?Kurukshetra? magazines

7. Previous Years? Question Papers and Mock Test Series

Utilize official question papers and mock series from reputed coaching centers like ALS, Vajiram, or local Assam-specific institutes.

Leverage Coaching Institutes and Online Platforms

While self-study is vital, enrolling in coaching classes or online courses can provide structured guidance.

Top coaching institutes for APSC:

- Assam-based institutions offering classroom and online coaching
- Online platforms like Unacademy, Byju?s, and Testbook offering targeted courses

Benefits:

- Expert mentorship
- Regular mock tests
- Peer interaction and doubt clearing

Strategies for Using APSC Study Material Effectively

Having access to good material is half the battle won; employing it effectively is equally crucial.

1. Develop a Study Plan

Create a timetable that dedicates time to each subject and revision. Prioritize weaker areas.

2. Focus on Conceptual Clarity

Avoid rote memorization; strive to understand topics deeply.

3. Regular Revision

Use summaries, flashcards, and notes for quick revisions, especially close to the exam.

4. Practice Extensively

Attempt mock tests and previous papers under timed conditions to build exam stamina and familiarity.

5. Stay Updated with Current Affairs

Read newspapers daily, follow current affairs compilations, and incorporate recent developments into your answers.

Conclusion: The Path to Success with the Right Study Material

APSC aspirants must recognize that success depends not just on hard work but also on choosing the right tools for preparation. High-quality study material tailored to the exam pattern and syllabus can significantly enhance learning efficiency, boost confidence, and improve performance.

Invest time in selecting authoritative books, utilizing online resources, and practicing regularly. Combine these with disciplined study habits and current affairs awareness to stand out in the competitive landscape of APSC exams.

Remember, the journey to cracking APSC is a marathon, not a sprint. With the right study material as your companion, you can navigate this journey effectively and achieve your goal of serving in the Assam Administrative Service.

Disclaimer: Always verify the latest editions and updates of study resources and align your preparation strategy with the current syllabus and exam pattern issued by APSC.

QuestionAnswer What is the best way to prepare for the APSC exam using study material? The best way is to use comprehensive and updated study materials, focus on understanding concepts, practice previous years' question papers, and supplement your preparation with online resources and mock tests. Where can I find reliable APSC study material online? Reliable sources include official APSC publications, government websites, reputed coaching institutes' online platforms, and educational portals like Gradeup, Unacademy, and StudyIQ. How important are NCERT textbooks for APSC preparation? NCERT textbooks are fundamental, especially for general studies and basic concepts, and are often considered essential for scoring well in the exam. Are there any specific study materials recommended for the Assam General Studies paper? Yes, many aspirants recommend standard books on Assam history, geography, culture, and current affairs, along with updated current affairs magazines and newspapers. How can I effectively revise using APSC study material? Create a revision timetable, highlight key points, regularly test yourself with quizzes, and revise previous topics periodically to reinforce your memory. Is coaching necessary for understanding APSC study material? While coaching can provide structured guidance and faster understanding, self-study with good materials can also be effective if disciplined and consistent. What are the most recent updates in APSC study material for upcoming exams? Recent updates often include current affairs from the last year, revised syllabus topics, and updated government policies and schemes relevant to Assam and India. Can I rely solely on online study material for APSC preparation? Online resources are valuable, but complementing them with printed books, notes, and practice papers can provide a well-rounded preparation approach. How do I choose the right study material for the APSC exam? Select materials from reputed authors, ensure they align with the latest syllabus, include comprehensive coverage of topics, and are recommended by successful candidates or coaching institutes.

Related keywords: APSC study material, Assam Public Service Commission preparation, APSC exam resources, APSC syllabus guide, APSC previous year papers, APSC exam tips, APSC study notes, APSC mock tests, APSC reference books, APSC exam syllabus

AUTODESK REVIT 2014 MATERIAL LIBRARY METRIC

autodesk revit 2014 material library metric is an essential component for architects, engineers, and construction professionals who rely on Revit for Building Information Modeling (BIM). The material library in Revit 2014 provides a comprehensive set of predefined materials that facilitate realistic visualizations, accurate simulations, and efficient documentation workflows. Understanding how to effectively utilize and customize the material library is crucial for optimizing project outcomes, especially when working with metric units, which are standard in many countries around the world.

In this article, we will explore the details of the Autodesk Revit 2014 material library metric, including its structure, how to access and modify materials, best practices for managing materials, and tips for leveraging the library to enhance your BIM projects.

Understanding the Revit 2014 Material Library

What is the Material Library?

The material library in Revit 2014 is a collection of predefined materials that can be applied to different elements within a project. These materials define the visual appearance, physical properties, and rendering characteristics of objects such as walls, floors, furniture, and structural components. The library helps streamline the modeling process by providing ready-to-use materials that can be customized further.

Metric Units in the Material Library

Revit 2014's material library supports metric units, making it suitable for projects in regions where the metric system is standard. This includes measurements such as millimeters (mm), centimeters (cm), and meters (m). When working with metric units, it is essential to ensure that your project units are correctly set, and materials are configured to reflect real-world dimensions accurately.

Accessing and Navigating the Material Library

How to Access the Material Library

To access the material library in Revit 2014:

- Open your Revit project.
- Navigate to the **Manage** tab on the ribbon.
- Click on **Materials** in the Settings panel.

- The Materials dialog box will open, displaying the library's contents.

Within this dialog, you can browse existing materials, create new ones, or duplicate and modify existing ones.

Structure of the Material Library

The material library in Revit 2014 is organized into categories such as:

- Wood
- Concrete
- Metal
- Glass
- Fabric
- Paint
- Plastics

Each category contains multiple predefined materials with specific visual and physical properties.

Working with Materials in Revit 2014

Applying Materials to Elements

Applying materials is straightforward:

- Select the element in the model.
- In the Properties palette, find the **Material** parameter.
- Click the drop-down menu and choose an existing material from the library.
- Alternatively, click **Manage Materials** to create or modify materials.

Creating Custom Materials

To create a custom material tailored to your project needs:

- Open the Materials dialog box.
- Click **New** to create a new material.
- Name your material appropriately.
- Adjust the appearance settings, including color, texture, reflectivity, and transparency.

- Configure physical properties such as thermal conductivity and density, especially important for energy analysis.
- Save your custom material for reuse in your project.

Modifying Existing Materials

Existing materials can be fine-tuned to match specific design requirements:

- Select the material from the library.
- Click **Edit** to open the Material Editor.
- Adjust the visual and physical parameters accordingly.
- Save changes to update all instances of that material in your project.

Best Practices for Managing the Material Library

Organizing Custom Materials

As your project progresses, you may accumulate numerous custom materials. To maintain organization:

- Create a dedicated category or subcategory for your custom materials.
- Name materials clearly to indicate their purpose or finish.
- Use consistent naming conventions to facilitate quick searching.

Sharing Materials Across Projects

Revit allows you to export and import material libraries, enabling consistent material usage across multiple projects:

- Export your custom materials by saving the Material Library file (.adsk) from the Materials dialog.
- In a new project, import the library to access the same materials.

Keeping the Library Up-to-Date

Regularly review and update your materials to reflect changes in product specifications or design preferences. This ensures visual consistency and accurate physical properties.

Leveraging the Material Library for Better Visualizations and Analysis

Realistic Renders

The material library's appearance settings can be fine-tuned to produce photorealistic renderings:

- Adjust reflectivity, glossiness, and transparency.
- Apply textures and bump maps for surface detail.
- Use the rendering settings in Revit or export to external rendering software for higher quality visuals.

Energy and Structural Analysis

Physical properties assigned to materials influence energy modeling and structural performance:

- Define thermal conductivity, specific heat, and density for energy analysis.
- Ensure materials are accurately represented for structural simulations.

Compliance and Documentation

Using standardized materials from the library helps in maintaining compliance with building codes and in preparing precise documentation for procurement and construction.

Tips and Tricks for Using the Revit 2014 Material Library Metric

- **Use Templates:** Create project templates with predefined materials to streamline workflows.
- **Leverage Material Overrides:** For specific elements, override default materials without altering the library.
- **Utilize Material Libraries from Manufacturers:** Import manufacturer-specific materials for greater accuracy.
- **Regular Backups:** Save copies of your custom material libraries regularly to prevent data loss.
- **Documentation:** Keep documentation of material properties for future reference or project handovers.

Conclusion

The Autodesk Revit 2014 material library metric is a powerful tool for creating visually appealing, physically accurate, and efficiently managed building models. Understanding how to access,

customize, and organize materials ensures that your BIM projects are not only aesthetically compelling but also compliant and functional. By leveraging the full capabilities of the material library, professionals can significantly enhance their modeling workflows, produce high-quality visualizations, and perform precise analyses. Whether you?re working on a small residential project or a large commercial development, mastering the Revit 2014 material library is an essential step toward achieving your design and documentation goals.

Autodesk Revit 2014 Material Library Metric: An In-Depth Exploration

Introduction

Autodesk Revit 2014 Material Library Metric stands as a cornerstone for architects, engineers, and BIM professionals seeking to streamline their design processes and enhance their project realism. As a pivotal component within Revit's comprehensive Building Information Modeling (BIM) environment, the Material Library provides users with an extensive repository of predefined materials, enabling accurate visualization, analysis, and documentation of building components. In this article, we delve into the intricacies of the Revit 2014 Material Library in the metric system, exploring its features, practical applications, and how it empowers professionals to create more realistic and data-rich models.

Understanding the Revit 2014 Material Library: An Overview

What is the Material Library?

The Material Library in Autodesk Revit 2014 is a curated collection of materials that can be assigned to various elements within a building model. These materials define the appearance, physical properties, and behavior of surfaces and objects, such as walls, floors, roofing, and furnishings. They serve multiple purposes, including:

- Visualization: Providing realistic renderings and visual styles.
- Documentation: Supporting accurate schedules and specifications.
- Analysis: Enabling performance simulations like thermal or energy analysis.

Metric System Integration

Revit 2014's Material Library is designed with a focus on the metric system, catering to projects in regions where metric units are standard. This integration simplifies the process of creating, editing, and applying materials with measurements in meters, centimeters, and millimeters, ensuring that the model's physical dimensions align precisely with real-world specifications.

Features of Revit 2014 Material Library Metric

Extensive Material Database

The Material Library comes with a vast array of predefined materials covering common construction materials such as:

- Concrete
- Brick
- Wood
- Metal
- Glass
- Ceramics
- Plastics

Each material is detailed with properties that influence visual appearance and physical characteristics.

Customization and Creation

Revit allows users to customize existing materials or create new ones from scratch. This flexibility is essential for:

- Modeling unique or proprietary materials.
- Adjusting visual attributes like color, texture, and reflectivity.
- Defining physical properties such as thermal conductivity or density.

Material Types and Categories

Materials are organized into categories, making it easier to locate and assign appropriate textures. These categories include:

- Structural Materials
- Finish Materials
- System Materials
- Imported Materials

This organization streamlines the workflow, especially in large projects with diverse material

requirements.

Navigating the Material Editor: Practical Tips

Accessing the Material Browser

In Revit 2014, the Material Browser is the primary interface to explore and manage materials. To access it:

- Navigate to the Manage tab.
- Click on Materials in the Settings panel.

The browser displays a list of default and custom materials, along with their properties.

Editing Material Properties

Within the Material Editor, users can modify:

- Graphics: Color, pattern, transparency, and surface patterns.
- Appearance: Render appearance settings, including reflectivity, glossiness, and bump maps.
- Physical: Thermal properties, density, and other physical parameters.

Adjustments here influence both visual realism and analytical accuracy.

Applying Materials to Elements

Materials can be assigned directly to model elements via:

- The Properties palette.
- Material override options.
- Drag-and-drop in the visual model.

Proper assignment ensures consistency across documentation and visualization.

Practical Applications in Metric Projects

Architectural Visualization

Using the metric material library allows architects to produce highly realistic renderings that accurately represent real-world materials. This includes:

- Precise color matching.
- Material textures scaled appropriately to dimensions.
- Realistic reflections and transparency settings.

Structural Analysis and Performance Simulation

For structural engineers, materials with defined physical properties enable simulations such as:

- Structural load calculations.
- Thermal performance analysis.
- Energy modeling.

Having materials in metric units ensures that calculations are based on real-world measurements.

Construction Documentation and Specifications

Accurate material definitions assist in generating precise schedules and specifications, critical for procurement and construction management.

Challenges and Best Practices

Ensuring Consistency Across Models

In projects with multiple team members or phases, maintaining uniform material definitions is crucial. Best practices include:

- Creating shared parameter files for materials.
- Documenting custom material properties.
- Regularly updating the Material Library.

Managing File Sizes and Performance

A comprehensive material library can increase project file size and impact performance. To optimize:

- Use linked or referenced material libraries when appropriate.
- Archive unused or outdated materials.
- Regularly audit materials for relevance and accuracy.

Compatibility and Version Control

While the discussion centers on Revit 2014, users should be aware of compatibility issues when upgrading or sharing files across different Revit versions. Maintaining a standardized material library mitigates discrepancies.

Enhancing the Material Library Experience

Utilizing External Resources

Many professionals supplement Revit?s default material library with:

- Custom textures and materials created in external software like Photoshop or Substance Designer.
- Imported materials from manufacturer catalogs.

These additions can increase realism and project specificity.

Automating Material Assignments

Using Revit's tools and plugins to automate material assignments based on parameters or templates can improve efficiency, especially in large projects.

Future Outlook and Evolving Features

Although Revit 2014 is now several versions old, its Material Library laid the foundation for continued enhancements in subsequent releases. Modern Revit versions offer:

- Improved rendering capabilities.
- More detailed physical property settings.
- Enhanced library management tools.

Understanding the 2014 material system provides valuable insights into the evolution of BIM workflows.

Conclusion

The Autodesk Revit 2014 Material Library in metric units remains an essential tool for professionals aiming for precise, realistic, and data-rich building models. Its extensive database, customization options, and integration with Revit's powerful environment enable users to craft detailed visualizations, conduct meaningful analyses, and produce accurate documentation. By mastering the features and best practices associated with the material library, BIM practitioners can significantly elevate the quality and efficiency of their projects, ensuring that designs are not only visually compelling but also grounded in real-world physical properties. As BIM technology continues to evolve, a solid understanding of these foundational tools remains vital for adapting to future innovations in architectural and engineering workflows.

QuestionAnswer How do I access the Material Library in Autodesk Revit 2014 Metric version? In Revit 2014 Metric, you can access the Material Library by going to the Manage tab, clicking on 'Materials,' and then selecting 'Material Browser.' From there, you can browse and load materials from the library. Can I customize or add new materials to the Revit 2014 Metric Material Library? Yes, you can create custom materials or duplicate existing ones within Revit 2014. To add new materials, open the Material Browser, click 'Create New Material,' and define its properties. To include external library materials, import them via the Material Browser options. What are the differences between the Revit 2014 metric material library and the imperial version? The primary difference lies in the units and material standards. The metric library uses SI units and compatible material properties, while the imperial version uses imperial units. Material appearance and physical properties may also vary accordingly. How can I load additional material libraries into Revit 2014 Metric? You can load additional libraries by importing material files (.adsklib) into the Material Browser. Use the 'Manage Materials' option, then 'Import Material Library,' and select the desired library files to add them to your project. Are there any common issues with the Revit 2014 Material Library in metric projects? Common issues include missing materials after library import, mismatched units, or materials not displaying correctly. These can often be resolved by reloading libraries, checking unit settings, or updating graphics drivers. How can I ensure accurate material representation in Revit 2014 metric projects? Ensure that the materials are correctly assigned with proper physical and visual properties, and that the project units are set to metric. Preview materials in the Material Browser to confirm appearance and properties before applying them. Is it possible to export Revit 2014 metric materials for use in other software? Direct export of materials from Revit 2014 is limited, but you can export material appearance as images or use the material library files (.adsklib) to share materials with compatible software or Revit versions. For full material data, consider exporting the project or using IFC files.

Related keywords: Autodesk Revit 2014, material library, metric units, Revit materials, BIM materials, Revit families, Revit textures, Revit 2014 tutorials, material parameters, Revit material libraries

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