IAS STUDY MATERIAL PDF

IAS study material plays a crucial role in shaping the preparation strategy of aspirants aiming to crack the Union Public Service Commission (UPSC) Civil Services Examination. Renowned for its rigorous syllabus, the IAS exam demands a comprehensive, well-organized, and up-to-date set of study resources. Selecting the right study material can significantly influence an aspirant?s success rate, making it essential to understand what resources are available, how to choose them, and how to utilize them effectively. In this article, we will explore the various aspects of IAS study material, including essential resources, best practices for preparation, and tips to optimize your study plan.

Understanding the Importance of IAS Study Material

The IAS exam is considered one of the most competitive exams in India. It covers a vast array of subjects such as Indian Polity, History, Geography, Economy, Environment, Science & Technology, and current affairs. The sheer breadth of content necessitates high-quality study material to ensure thorough preparation. Proper study resources help aspirants:

- Cover the entire syllabus systematically
- Save time by focusing on relevant topics
- Clarify complex concepts with authentic explanations
- Stay updated with current affairs
- Practice through mock tests and previous years? papers

Choosing the right material is not just about quantity but also about quality. Well-curated resources can provide clarity, boost confidence, and improve retention.

Types of IAS Study Material

IAS study material can be broadly categorized into various sources, each serving a specific purpose in the preparation journey.

1. Standard Textbooks and Reference Books

These are the foundational resources that provide in-depth knowledge of each subject. Some popular titles include:

- Indian Polity ? M. Laxmikanth

- Indian Economy ? Ramesh Singh or Sanjeev Verma
- Ancient India ? R.S. Sharma or NCERT textbooks
- Medieval India ? Satish Chandra
- World Geography ? Majid Husain
- Environment & Ecology ? Shankar IAS Academy or NCERT

Standard textbooks are essential for building a strong base and understanding core concepts.

2. NCERT Textbooks

NCERT books form the backbone of IAS preparation, especially for beginners. They are concise, clear, and cover the fundamentals:

- Class 6-12 NCERT textbooks for History, Geography, Polity, and Science
- Focus on diagrams, timelines, and key facts
- Use as a primary source for conceptual clarity

NCERTs are often recommended as the starting point for IAS aspirants.

3. Current Affairs Resources

Staying updated with current events is vital. Resources include:

- Daily newspapers like The Hindu, The Indian Express
- Monthly magazines such as Yojana, Kurukshetra, or Frontline
- Online portals and apps like PIB, Drishti IAS, ForumIAS, and Insights on India
- Current affairs compilations and monthly magazines specifically designed for UPSC

Consistent reading helps in grasping contemporary issues and policy developments.

4. Online Platforms and Mock Tests

Digital resources have become a vital part of IAS preparation:

- Online coaching portals (Unacademy, Byju?s, Vision IAS)
- YouTube channels dedicated to UPSC
- Mock tests and previous year question papers for practice
- Discussion forums and test series to evaluate progress

These resources help simulate exam conditions and improve time management.

5. Notes and Shortcuts

Summarized notes, mind maps, and flashcards aid quick revision:

- Subject-wise concise notes for last-minute revision
- Pre-prepared mind maps for interconnected topics
- Flashcards for important facts and dates

Creating personalized notes helps reinforce learning.

How to Choose the Right IAS Study Material

With numerous resources available, aspirants must select the most suitable study material aligned with their learning style and schedule.

Assess Your Learning Style

Identify whether you prefer:

- Self-study with books
- Interactive online courses
- Group coaching or classroom coaching

Choose resources that match your preferred learning method.

Focus on Quality over Quantity

Avoid overwhelming yourself with excessive materials. Instead, prioritize:

- Reputed books and NCERTs for basics
- Authentic current affairs sources
- Practice papers for evaluation

Keep Updated with Syllabus and Exam Pattern

Ensure your study material covers all topics prescribed in the UPSC syllabus and reflects recent

exam trends.

Seek Recommendations and Reviews

Connect with successful aspirants and coaching experts for suggestions on the most reliable resources.

Effective Utilization of IAS Study Material

Having the right material is only part of the preparation. How you utilize it determines your success.

Develop a Realistic Study Plan

Create a timetable balancing all subjects and current affairs. Allocate time for:

- Covering core concepts
- Revision
- Practice and mock tests

Adopt Active Learning Techniques

Engage with the material actively:

- Make notes and highlight key points
- Participate in discussions and quizzes
- Teach concepts to others

Regular Revision

Periodic revision consolidates memory and prevents last-minute cramming. Maintain revision schedules using notes and flashcards.

Stay Consistent and Disciplined

Consistency is key. Stick to your study plan, even during challenging phases, to cover the syllabus thoroughly.

Additional Tips for IAS Preparation

Apart from study material, consider these tips:

- Stay motivated and maintain a positive attitude
- Balance studies with health and relaxation
- Join discussion groups and study circles for peer support
- Practice answer writing regularly to improve articulation

Conclusion

Choosing the right IAS study material is a foundational step toward cracking the UPSC Civil Services Examination. It involves understanding the various resources available, aligning them with your learning style, and utilizing them effectively through disciplined study and revision. Remember, quality, consistency, and strategic planning are the pillars of successful IAS preparation. With the right materials and dedicated effort, aspirants can navigate the vast syllabus confidently and increase their chances of achieving their dream of joining the Indian Administrative Service.

IAS Study Material: The Ultimate Guide to Cracking the Civil Services Examination

Preparing for the Indian Administrative Service (IAS) examination is a rigorous journey that demands dedication, strategic planning, and access to comprehensive study resources. At the heart of your success lies the quality and effectiveness of your IAS study material. This guide aims to walk you through everything you need to know about selecting, utilizing, and maximizing your IAS study resources to ensure a confident and well-prepared approach to cracking one of India?s most prestigious exams.

Understanding the Importance of Quality IAS Study Material

The IAS exam is renowned for its vast syllabus, encompassing a wide array of subjects such as History, Geography, Polity, Economy, Environment, Science & Technology, and current affairs. Given the extensive scope, having reliable and well-structured IAS study material becomes crucial. High-quality resources help streamline your preparation, prevent confusion, and enable you to cover the syllabus systematically.

Why is the Right Study Material Critical?

- Time Efficiency: Well-organized materials save time by providing concise summaries and focused content.
- Concept Clarity: Authentic resources explain concepts thoroughly, reducing ambiguity.
- Consistency: Regular revision with reliable material ensures better retention.

- Confidence Building: Proper preparation enhances self-assurance during exams and interviews.

Types of IAS Study Material

Choosing the right type of study material depends on your learning style, stage of preparation, and resource availability. Here?s a breakdown of the primary types:

- NCERT Textbooks

NCERTs form the foundation for the IAS syllabus, especially for preliminary exams. They are essential for building basic concepts in subjects like History, Geography, Polity, and Science.

- Advantages:
- Clear, simple language.
- Cover fundamental concepts.
- Widely recommended by toppers.

- Usage Tips:
- Read NCERTs thoroughly for Class 6-12.
- Use them as a base before moving on to advanced books.

- Standard Reference Books

Once the basics are clear, aspirants should refer to standard textbooks that delve deeper into topics.

- Popular Titles:
- Indian Polity by M. Laxmikanth
- Indian Economy by Ramesh Singh
- Certificate Physical and Human Geography by G.C. Leong
- Ancient and Medieval History by R.S. Sharma or Spectrum publications
- Environment by Shankar IAS

- Advantages:
- Detailed explanations.

- Coverage of exam-oriented topics.

- Current Affairs Materials

Current affairs are crucial for both prelims and mains. Reliable sources include:

- Newspapers like The Hindu or The Indian Express.
- Monthly magazines such as Yojana, Kurukshetra, and Vision IAS magazine.
- Online platforms and apps providing daily updates.

- Practice and Mock Test Resources

Practice is vital for exam success. Use:

- Previous years? question papers.
- Mock tests from coaching institutes or online portals.
- Quiz apps designed for IAS aspirants.

Best Practices for Using IAS Study Material Effectively

Having access to quality material is just the beginning. How you utilize these resources determines your success.

- Create a Well-Structured Study Plan

- Divide your syllabus into manageable sections.
- Allocate time for each subject based on your strengths and weaknesses.
- Incorporate revision and practice sessions regularly.

- Prioritize Syllabus Coverage

- Focus on the NCERT textbooks initially.
- Gradually move on to advanced reference books.

- Don?t neglect current affairs; integrate daily updates into your routine.

- Make Notes and Highlights

- Summarize key points in your own words.
- Highlight important facts, dates, and concepts for quick revision.
- Maintain subject-wise notes for comprehensive revision.

- Practice with Mock Tests and Previous Papers

- Regularly attempt mock tests to simulate exam conditions.
- Analyze your performance to identify weak areas.
- Use previous years? papers to understand question trends.

- Stay Updated with Current Affairs

- Read newspapers daily.
- Use monthly magazines for in-depth analysis.
- Follow reliable online platforms for current events summaries.

Recommended IAS Study Material Sources

Here is a curated list of trusted resources for aspirants:

Books and Publications

| Subject | Recommended Books | Publisher/Author |

| --- | --- | --- |

| History | Spectrum?s Ancient, Medieval & Modern History | Spectrum Publications |

| Geography | GC Leong?s Physical and Human Geography | Kalyani Publishers |

| Polity | M. Laxmikanth?s Indian Polity | McGraw Hill |

| Economy | Ramesh Singh?s Indian Economy | McGraw Hill |

| Environment | Shankar IAS Environment Book | Shankar IAS Academy |

| Science & Tech | NCERT Science Textbooks | NCERT |

Online Platforms & Apps

- Vision IAS: For current affairs, mock tests, and notes.
- Insights IAS: Video lectures, test series, and study materials.
- ClearIAS: Free study material, mock tests, and syllabus guides.
- IASbaba: Daily current affairs, quizzes, and notes.

Newspapers & Magazines

- The Hindu / The Indian Express: For current affairs.
- Yojana and Kurukshetra: For socio-economic issues and government schemes.
- Monthly magazines: For consolidating current affairs and editorial analysis.

Tips for Updating and Personalizing Your Study Material

- Customize your notes based on your learning style.
- Update current affairs daily to stay relevant.
- Use diagrams, flowcharts, and mind maps to visualize complex topics.
- Join study groups for resource sharing and discussion.

Common Mistakes to Avoid with IAS Study Material

- Relying solely on one source; diversify your resources.
- Ignoring NCERTs after initial reading.
- Overloading with too many materials; focus on quality over quantity.
- Neglecting revision and practice.
- Ignoring current affairs; make it an integral part of your study routine.

Final Word: The Path to Success with the Right Study Material

Your journey to becoming an IAS officer is as much about strategic resource utilization as it is about

effort and perseverance. The key lies in selecting authentic, comprehensive, and exam-oriented IAS study material and using it diligently. Remember, consistency, regular revision, and staying updated with current affairs are vital complements to your study resources.

By building a solid foundation with NCERTs, supplementing with standard reference books, and supplementing your preparation with current affairs and practice tests, you?ll be well-equipped to face the examination confidently. Embrace a disciplined study routine, leverage the best available resources, and keep your goal in focus. Success in the IAS exam is within your reach with the right study material and a committed approach.

QuestionAnswer What are the best sources for IAS study material? The best sources include NCERT textbooks, standard reference books for each subject, previous years' question papers, and trusted online platforms like IAS Preparation websites and apps. How can I effectively utilize IAS study material for exam preparation? Create a structured study plan, focus on understanding concepts deeply, revise regularly, and practice previous year's question papers to reinforce learning. Are coaching institute materials necessary for IAS preparation? While coaching materials can be helpful, many successful candidates rely on standard books, NCERTs, and online resources. Choose what suits your learning style best. Where can I find free and reliable IAS study material online? Trusted sources include the official UPSC website, government portals, and popular educational platforms like ClearIAS, IASbaba, and InsightsonIndia that offer free PDFs and notes. How often should I update my IAS study material? Stay updated with the latest syllabus and current affairs. Regularly revise and incorporate new information from recent newspapers, magazines, and government reports. What role does current affairs play in IAS study material? Current affairs are crucial for the General Studies papers. Use current affairs magazines, apps, and daily news analysis to stay informed and integrate this knowledge into your preparation. Is it necessary to buy multiple IAS study materials from different sources? It's beneficial to refer to multiple sources for comprehensive understanding, but ensure consistency and avoid information overload. Focus on trusted, well-reviewed materials. How can I customize my IAS study material to suit my preparation needs? Identify your strengths and weaknesses, select relevant books and notes accordingly, and use online test series and mock exams to tailor your preparation effectively.

Related keywords: IAS study material, UPSC preparation, civil services notes, IAS syllabus, exam preparation resources, government exam guides, civil services books, IAS coaching materials, UPSC syllabus guide, IAS exam tips

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

Read the full article online: Autodesk revit 2014 material library metric