

DOWNLOAD PDF UTILIZATION OF INDUSTRIAL BY-PRODUCTS FOR CONSTRUCTION MATERIALS

Chapter 1 : Building Products & Raw Materials

or utilization of industrial waste by-products have become an attractive alternative to disposal. Several studies have been reported on the utilization of waste materials and by-products such as.

Market Groups Production for most major market groups rose in September. The index for consumer goods moved up 0. The indexes for business equipment and for defense and space equipment each advanced 0. Among nonindustrial supplies, the index for construction supplies decreased in September, but the index for business supplies increased after declining in the previous two months. The output of industrial materials moved up 0. Industry Groups Manufacturing output moved up 0. Factory output advanced 2. In September, the indexes for durables and for other manufacturing publishing and logging rose, while the index for nondurables edged down. Production rose for most major categories within durable manufacturing. The largest increases were posted by motor vehicles and parts, wood products, and primary metals, while the only sizable decline was recorded by nonmetallic mineral products. Mining output increased 0. The index for utilities was unchanged in September, as a decline in electric utilities offset an increase in natural gas utilities. Capacity utilization for manufacturing edged up in September to The operating rates for durables and for other manufacturing increased, but the rate for nondurables decreased. The utilization rate for mining edged down to The utilization rate for utilities moved down to Revision of Industrial Production and Capacity Utilization The Federal Reserve Board plans to issue its annual revision to the index of industrial production IP and the related measures of capacity utilization around the end of the first quarter of The Economic Census for will not be available from the U. Census Bureau by early , so no new annual benchmark data will be included for manufacturing. Other annual data, including information on the mining of metallic and nonmetallic minerals except fuels , will be incorporated. The updated IP indexes will include revisions to the monthly indicator either product data or input data and to seasonal factors for each industry. In addition, the estimation methods for some series may be changed. Any modifications to the methods for estimating the output of an industry will affect the index from to the present. Capacity and capacity utilization will be revised to incorporate data through the fourth quarter of from the U. Geological Survey, the U. Department of Energy, and other organizations. The statistics in this release cover output, capacity, and capacity utilization in the U. Manufacturing comprises NAICS manufacturing industries sector plus the logging industry and the newspaper, periodical, book, and directory publishing industries. Logging and publishing are classified elsewhere in NAICS under agriculture and information, respectively , but historically they were considered to be manufacturing and were included in the industrial sector under the Standard Industrial Classification SIC system.

Chapter 2 : Beneficial use of industrial byproducts - Wisconsin DNR

Utilization of industrial by-products (CKD, SF, WFS) and natural ashes (RHA, POFA) has beneficial effects on the strength and durability properties of mortar and concrete. CKD is effective as an activator for concrete and mortar mixes containing pozzolanic materials at replacement levels of %.

Chapter 3 : The Fed - Industrial Production and Capacity Utilization - G

utilization of waste pet bottles and industrial BY-PRODUCTS AS A CONSTRUCTION MATERIAL blog.quintoapp.comatha 1, Pavithraparvathi.N.S 2, Aparna.N 3, Jasmine Rubya.P 4,Jeeshma.P 5.

Chapter 4 : Utilization of waste and by-products - Labtium Oy

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