

Study on Application of Green Construction Technology in Construction Engineering

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0 Introduction

Now the rapid development of society to improve people's living standards, green city construction has become a major development trend. The construction industry in the city construction is a very important part, while its construction process will also cause a lot of waste of resources and environmental pollution problems, so the application of green construction technology is necessary, so not only to better meet people's needs, While ensuring the balance of the ecological environment.

1 The importance of green construction technology

The application of green construction technology in construction projects has a very important significance, which can effectively protect people's lives. The main requirement for green construction technology is to ensure that the construction process in the process of all things need for energy control, mainly the production of materials, transportation and post-construction maintenance, etc., must be strictly adhere to the relevant guidelines to achieve energy conservation. The purpose of protecting the environment. In this regard, the actual construction requires the use of green construction, which is healthy, safe and pollution-free advantages. In the case of green construction, it is necessary to rationally optimize the construction technology and organize the work so as to ensure the smoothness of the construction project to ensure that the environment will not be affected, to minimize

the consumption of materials and waste, so as to improve the economic efficiency and promote the development of the industry. On the current situation, for the green building construction is no longer the past method, but blindly pay attention to the construction quality, speed, etc., but more attention to environmental control, so in the construction process will be widely used green construction technology and management methods to ensure the quality of the project to achieve a comprehensive rationalization of resources and the environment.

2 The characteristics of green construction technology

At present, in the construction of green construction technology in the construction of a very important part, which mainly follows the high efficiency. Low energy consumption, green environmental protection, is to ensure the quality of the basis of the maximum reduction of environmental pollution. For this concept, mainly in the two aspects, namely: 1) When the construction of the construction of the need to strictly follow the green construction principles, the construction of the corresponding improvement. 2) Innovative green construction technology, at the same time in the whole process must be strictly controlled the application of materials, thereby reducing energy consumption, improve the efficiency of the use of materials, effective prevention and control of the surrounding environment damage.

Abstract: With the continuous development of society, people pay more and more attention to energy saving and environmental protection. On the current situation, the concept of energy conservation and environmental protection has entered our lives, so the application of green construction in construction has become a major development trend. With the continuous development of society, green construction technology has also been further developed, effectively promoting the construction industry development. In the actual construction of enterprises need to further strengthen its research, and constantly optimize the green construction technology, so as to better promote sustainable development. Based on this analysis, this paper analyzes the green construction technology related aspects of construction, with a view to provide some reference.

Key words: Construction engineering; green construction technology; application

Published online: 15th July, 2017

3 Analysis of construction green construction technology applications

3.1 Reasonable planning and use of land

China's vast territory, but there are a large population situation, the per capita land resources is still very low, in order to maximize the utilization of land resources, the need to further strengthen the construction industry. In the actual application process, the construction unit needs to do the following work: 1) Before the start of the construction, it is necessary to use the advanced method to carry out the measurement and style work of the construction area, so as to ensure that each area can get reasonable style, including Production of construction areas, machinery and equipment areas and office activities to carry out regional, and so on, and then to optimize the entire program. 2) Need to strengthen the control of the construction environment, taking into account the impact of factors, while the pipeline distribution to pay special attention to do the appropriate planning work.

3.2 Emphasis on resource conservation and environmental protection

In view of the current situation, in the construction process will have a lot of energy consumption, the surrounding environment has a great impact, so the need to take effective measures to control. At present the use of more methods is to carry out noise, sewage and garbage and other aspects of control. In order to protect the ecological environment, the construction unit needs to adopt a better and reasonable method, for example, the construction of protective nets, washing and transporting building materials vehicles and other measures. These methods can be to a certain extent, reduce energy consumption and environmental pollution, but also showing the construction unit for the green construction of the understanding. I believe in the future development of its will be greater development.

3.3 Water-saving measures designed to save water resources

Water is the resource on which we live, and the water can be recycled, but if the water is polluted and lacked, it will directly affect the operation of ecological medicine. The use of green construction technology can effectively control this problem, help me to use science and water resources, so as to achieve the purpose of saving water resources. For the construction of green construction technology in the water-saving measures is a reasonable design and planning of water resources applications, and do a good job recycling work. It is usually necessary to recycle the flushing water used by the vehicle at the construction site and to apply it to the mixing of mortar and concrete by precipitation filtration. And ground pit construction needs to be discharged from the groundwater, can also be used again, usually we will be applied to the car wash and dust and so on. Water supply pipeline in the construction of the test water can directly into the drainage pipe as a test water, so as to achieve the purpose of saving water resources. In the construction site, but also need to install some water conservation equipment, strengthen its control and control. Finally, it is necessary to strengthen the water conservation awareness of personnel, so you can choose to take the appropriate training, so as to raise awareness of water conservation.

3.4 Materials technology

The construction of the time will be applied to a variety of materials, the current situation of the point of view, for the material management is still not perfect, resulting in the abuse of construction materials, material waste situation. Most of the construction work in the construction of the material costs caused by the increase in construction costs, which is mainly a serious waste phenomenon, so as an important piece of technology, we need to pay great attention. In the construction of green construction technology, reduce the

waste phenomenon, to strengthen the re-use of materials to improve the utilization of materials.

3.5 Develop renewable energy use technologies

(1) Solar technology. Solar energy is a renewable resource, its no pollution, so when the construction needs of the full use of solar energy, so as to achieve the purpose of energy conservation. On the current situation, the use of more is a solar water heater, which is mainly the solar water heater placed on the roof, not only to reduce the land control, but also can effectively improve the hot spots, and therefore is widely used. (2) Wind energy technology. With the continuous development of society, wind energy is more and more attention. China's resources for the wind is relatively rich, but for its use is still limited, which need to take active development of its full use of technology, which can effectively reduce the energy crisis.

Conclusion

In summary, the continuous development of society, for the construction industry green energy and environmental protection requirements are getting higher and higher. Construction enterprises in order to get further development to meet people's needs, we must be a reasonable application of green construction technology. Green construction activities are aimed at guiding people in their daily lives to strengthen the formation and cultivation of energy conservation awareness, so that the real sense of harmony with nature, to promote advanced green technology can be combined with environmental protection ideas, so in future it is necessary to strengthen our research and need to attract our attention.

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