
JKR STANDARD



JKR/SIRIM 1:2023

ICS: 13.020.50; 91.100

Manual for Green Product Scoring System (First revision)

JKR

Jabatan Kerja Raya (JKR) Malaysia is a federal government department in Malaysia under the Ministry of Works Malaysia which is responsible for the construction and maintenance of public infrastructure in Malaysia such as roads, government buildings, schools, hospitals, airports, harbors, piers and related engineering works.

JKR Malaysia's vision is to become a world-class service provider and centre of excellence in asset management, project management and engineering services for the development of the nation's infrastructure through creative and innovative human capital and state-of-the-art technology.

SIRIM

SIRIM Berhad is a premier total solutions provider in quality and technology innovations that helps industries and businesses to compete better through every step of the business value chain.

SIRIM Berhad is the centre of excellence in standardisation, facilitating industries and businesses in enhancing their production and competitiveness, protecting consumers' health and safety, and giving them the choice for quality products and services.

JKR STANDARD

JKR Standards are developed according to SIRIM Berhad's standardisation procedures, which are in line with international practices that ensure appropriate participation of interested parties. As a standards development organisation, SIRIM Berhad has extensive expertise in standards research and consultancy which helps industries and businesses meet local and international requirements and practices.

JKR Standards are developed in collaboration with SIRIM based on JKR Malaysia's initiatives as a technical advisory in infrastructure development for the Government of Malaysia. The standards provide requirements, specifications, guidelines or characteristics that can be used to ensure that materials, products, processes and services are fit for their purpose.

JKR Standards are developed through consensus by established committees, which consist of experts in the subject matter. The use of JKR standards is voluntary, and are open for adoption by regulators, government agencies, associations, industries, professional bodies, etc.

© Copyright 2023

For further info or enquiries on JKR Standard, please contact:

Standards Research and Development
Department
SIRIM STS Sdn Bhd
1, Persiaran Dato' Menteri
Section 2, P.O. Box 7035
40700 Shah Alam, Selangor Darul Ehsan
Tel: 60 3 5544 6314/6909
Email: stdsd@sirim.my
Website: <http://www.sirimsts.my>

OR
Cawangan Alam Sekitar & Kecekapan
Tenaga
Jabatan Kerja Raya Malaysia
Tingkat 23, Menara PJD
No. 50, Jalan Tun Razak
50400, Wilayah Persekutuan, Kuala Lumpur
Tel: 60 3 2618 7701
Fax: 60 3 4041 1988
Website: www.jkr.gov.my

Contents

	Page
Foreword.....	ii
0 Introduction	1
1 Scope.....	1
2 Normative references	1
3 Terms and definitions	2
4 Criteria for green or environmentally friendly products.....	4
5 Green Product Scoring System	5
6 GPSS rating	9
7 Formula for calculation	10
Annex A Registration form and green product scoring sheet.....	15
Annex B Weightage of building works and classification of building types	28
Annex C Example of green product scoring sheet for buildings	31
Bibliography	34

JKR/SIRIM 1:2023

Foreword

This standard was developed by the Project Committee on Green Product Scoring System established by SIRIM Berhad.

This standard was developed with the following objectives:

- a) to provide a systematic and structured assessment system for green products used in building and road projects;
- b) to enable the measurement of the percentage of green products used in building and road projects;
- c) to educate and create awareness among the stakeholders on green products and services; and
- d) to encourage manufacturers and/or traders to obtain green product certification from independent certification bodies based on the specified requirements.

This standard will be subjected to review to reflect current needs and conditions. Users and other interested parties may submit comments on the contents of this standard for consideration into future versions.

Information to assist users of the standard

For the purposes of this standard, the following ISO definitions have been adopted regarding verbal forms for the expression of provisions:

- a) “**shall**” indicates an **auditable requirement**: it is used to indicate requirements strictly to be followed in order to conform to the document and from which no deviation is permitted;
- b) “**should**” indicates a **recommendation**: it is used to indicate that among several possibilities one is recommended as particularly suitable, without mentioning or excluding others, or that a certain course of action is preferred but not necessarily required, or that (in the negative form) a certain possibility or course of action is deprecated but not prohibited;
- c) “**may**” indicates a **permission**: it is used to indicate a course of action permissible within the limits of the document; and
- d) “**can**” indicates a **possibility** or a **capability**: it is used for statements of possibility and capability, whether material, physical or causal.

Compliance with this standard does not by itself grant immunity from legal obligations.