

**BUILDING SURVEYING DEPARTMENT
FACULTY OF ARCHITECTURE, PLANNING & SURVEYING
UNIVERSITY TECHNOLOGY MARA
SHAH ALAM
SELANGOR DARUL EHSAN**

THE EFFECTIVENESS OF FLOOR FINISHES IN SHOPPING CENTERS

**This dissertation is prepared as to fulfill part of the requirements for
honoring of Bachelor (Hons) Building Surveying**

**PREPARED BY: -
ELIS SUZANA BT MUHAMAD
99133946
APRIL 2001**

**UNDER SUPERVISION: -
ENCIK MD NADZRI BIN MOHD JALIL**

WRITER SIGNATURE:

CHECKED AND APPROVED BY:

ABSTRACT

Parts of dissertation include effectiveness of floor finishes in shopping centers. The study is about the usage of floor finishes system especially in shopping retails and its effectiveness to increase the standard of floor finishes. The effectiveness of floor finishes will be determined by consider to comfortability and appearance, durability, safety of floor and the floor maintenance. Most users / occupants are unaware of the importance of floor finishes especially to floor in building works, on the practical use and functions. In this context, the study focuses on the effectiveness of floor finishes.

The general factors that determine materials and finishes of floor are the image it conveys the practical considerations and cost. This dissertation it will cover the aspect of material's physical properties, problems involve in floors and factors influent the choice of floor finishes. The choice of floor is much important to determine the visual character of buildings.

Floor finishes used in Shopping Center are categorized by the basic space defining elements. It covers the architectural and mechanical responses to indoor floor environment. Furthermore, the type of floor finishes will be the major criteria in shopping design and how it will effect the character and function of the space involved.

CONTENTS	PAGES
Abstract	v
Acknowledgement	vi
List of Photos	vii
List of Figures	x
List of Tables	xi
List of charts	xii
Chapter 1	
1.0 Introduction	1
1.1 Issues	2
1.2 Objectives	4
1.3 Methodology	5
1.4 Scope of Study	6
1.5 Case of Study	9
Chapter 2	
2.0 Definition of Floor Finishes	11
2.1 Types of Floor Finishes	12
2.1.1 Natural Stone/ Stone Floor/ Hard Tiles	14
2.1.1.1 Terrazzo	15
2.1.1.2 Marble	18
2.1.1.3 Granite	22
2.1.1.4 Ceramic Tiles	24
2.1.2 Resilient/ Composite Floor Finishes	27
2.1.2.1 Mastic Asphalt And Pitch Mastic	29
2.1.2.2 Linoleum floor finishes	32
2.1.2.3 Cork Flooring	35
2.1.2.4 PVC (Vinyl) Floor	37
2.1.2.5 Rubber Floor finishes	39
2.1.3 Wood Flooring	41
2.1.3.1 Strip And Board Floor	45
2.1.3.2 Wood Block	46

2.1.3.3	Parquet and Mosaic Parquet	46
2.1.3.4	End-Grain Paving	48
2.1.4	Carpets	51
2.2	Types of Floor Finishes in Shopping Centers	57

Chapter 3

3.0	Factor That Influence the Choice of Floor Finishes	63
2.1	Design consideration	64
2.2	Maintenance Cost	74
2.3	Floor Finishes For Specific Area Or Location	76
2.4	Installation Of Floor Finishes	80
2.5	Texture of Floor Finishes	84

Chapter 4

4.0	The Effectiveness of Floor Finishes	85
4.1	Comfort and appearance of floor finishes	87
4.2	Safety of floor finishes	91
4.3	Durability Of Floor Finishes	94
4.4	Maintenance of Floor Finishes	97

Chapter 5

5.0	The Problems of Floor Finishes	102
5.1	Improper Installation	103
5.2	Improper Maintenance	108
5.3	Substandard of Floor Materials	114
5.4	Chemical Attack	116
5.5	Climatic Affect	119

Chapter 6

6.0 Case Study

6.1 Suria KLCC, Kuala Lumpur

6.1.1 Introduction	121
6.1.2 Site Location	123
6.1.3 The need for Shopping Center	125
6.1.4 Amenities and Spaces	127
6.1.5 Type of Floor finishes	130
6.1.6 Cleaning Maintenance	132

6.2 SOGO Pernas Department Store, Kuala Lumpur

6.2.1 Introduction	138
6.2.2 Amenities and Spaces	141
6.2.3 Type of floor finishes	143
6.2.4 Maintenance Department	146
6.2.5 Floor Maintenance	148

6.3 Bukit Raja Shopping Center, Klang, Selangor

6.3.1 Introduction	153
6.3.2 Cleaning Maintenance	155
6.3.3 Types of floor finishes	156
6.3.4 Cleaning & Maintenance Works	157

6.4 Selayang Mall Shopping Center, Selangor

6.4.1 Introduction	161
6.4.2 Types of floor finishes	162
6.4.3 Maintenance Department	163
6.4.4 Cleaning & Maintenance Works	164