PUR Facts

Conservation of Polyurethane Foam in Art and Design

PUR Research Project by
Thea van Oosten
Aleth Lome
Olivier Beringuer

Table of Contents

Polyurethanes, manufacture and applications 13

Chemistry, properties and degradation 29

Preface 7

1

2

Introduction 9

3	History of polyurethane foam conservation 47
4	Ageing behaviour of polyure than e foam 57
4.1	Materials and methods 57
4.2	Consolidation of polyurethane foam 61
4.3	Sun Block for polyurethane ether foam 69
5	Assessing the condition of polyurethane foam 81
5.1	Condition of polyurethane ester and ether foam 81
5.2	Condition of polyuerethane foam of works of art and design objects 86
5.3	Instruction for the consolidation of new and aged polyurethane ether foam 87
6	Case studies 91
6.1	Zuccaia (1991) by Piero Gilardi 91
	The adventurous consolidation of a polyurethane ether foam Nature Carpet by Aleth Lome
6.2	Sassi (1972), by Piero Gilardi 107
	Restoration project carried out by the Barbara Ferriani Conservation
	Studio, Milan
	Acknowledgements 115
	Glossary 117
	General information 121
	Bibliography 123