

ELASTOIZOL OPTIM

Torch-applied, SBS Modified Bituminous Cap Sheet



Introduction

ELASTOIZOL OPTIM EKP-4,0 is an up-to-date bitumen-polymer SBS-modified torch-applied roofing and waterproofing material of the newest generation.

Product Description

This material is intended for professional use in roof covering of buildings, structures of any types, as well as for waterproofing of building foundations, bridges, tunnels, etc. as top layers with permanent heavy surface protection, intermediate layers and underlayers.

Elastoizol Optim has a reinforced polyester on the base that is saturated with high-quality SBS-modified bitumen. On the bottom (torch-on) side it has a polymer film with printed signs (torches), on the upper side – large-grained mineral granules (slate). Elastoizol Optim has fine-drawn technical characteristics, that's why this material suits all necessary requirements of roof covering and waterproofing tasks. Due to its structure Elastoizol Optim is resistant to environmental influences and has a long warranty time service of 15 years.

Product Features

| PRODUCT NAME | ELASTOIZOL OPTIM EKP-4.0 |
|---------------------------|---|
| BASE (REINFORCEMENT TYPE) | POLYESTER, 140 G/M ² |
| BITUMEN | SBS-MODIFIED |
| UPPER LAYER | LARGE-GRAINED MINERAL GRANULES (SLATE) |
| BOTTOM LAYER | POLYMER FILM WITH PRINTED SIGNS (TORCHES) |
| WIDTH OF THE ROLL (MM) | 1000 (±10MM) |
| WIDTH OF THE ROLL (MM) | 8000 (±100MM) |
| MASS (KG/M ²) | 4,0 (±0,1 KG/M ²) |

| CHARESTERISTICS | TEST METHODS | NOMINAL VALUE |
|--|--------------|----------------|
| FLEXIBILITY AT LOW TEMPERATURES | EN 1109-1 | ≤ -5°C |
| FLOW RESISTANCE AT ELEVATED TEMPERATURE (±2°C) | EN 1110 | 85°C |
| TENSILE STRENGTH LONGITUDINAL /TRANSVERSE (±100N/50MM) | EN 12311-1 | 600/500 N/50MM |
| ADHESION OF GRANULES | EN 12039 | ≤ 1g |
| WATERTIGHTNESS (60KPA) | EN 1928 | 24 H |
| REACTION TO FIRE | | E |
| EXTERNAL FIRE PERFORMANCE | | BROOF (T1) |

Application

Elastoizol Optim must be installed in accordance with the British Standards (codes BS6229 "Flat Roofs with Continuous Coating. Practical Guide" and BS8217 "Concrete Reinforced Roof Membranes. Regulations") and instructions of CJSC Diversified Industrial Company KRZ.

Elastoizol Optim should be bonded to the previously prepared surface using the torch-on application method: the lower side of the material (polymer film) should be melted by a gas (or other) burner, the roll should be unrolled along the entire length. Overlapping should be used during the installation

The surface must be dry and flat, cleaned of dust and dirt and be primed with a bituminous primer. Material should be installed by a competent contractor. It is possible to work in any conditions except snowy or rainy weather.

Quality Assurance

ELASTOIZOL products are manufactured following ISO 9001:2011 Quality Management System. Strict company's inner control guarantees the properties of materials.

Storage

Rolls should be stored in a dry, enclosed area in a vertical position and kept of at least 1m from heating devices and direct sunlight. Double stock is not permitted.