

## DRACO® PLAN 405

### HIGH EFFICIENCY VAPOR BARRIER

#### Description

DRACO® PLAN 405 is made of multi layer polyethylene (PE) foil reinforced with net to raise strength with heat reflexive layer made of aluminum that reflects heat into interior.

#### Advantages

- Tensile strength.
- Resistant to direct contact with bitumen, stone wool, polystyrene and polyurethane.

#### Fields of application

- Vapor barrier in pitched and flat roofs, walls and suspended ceilings.

#### Surface preparation

- Subgrade has to be clean and dusted. Clean and free of the elements that can pierce.

#### Application

- Vapor barrier DRACO® PLAN 405 is placed into insulated layers of roofs and walls on inner side (warmer side) of insulation with reflexive aluminum layer facing interior.
- Overlaps are sealed using self adhesive strip. The same strip is used to seal penetrations through barrier (e.g. cables and pipes) and to finish vapor barrier endings on smooth surfaces (e.g. metal).
- DRACO® PLAN 405 is resistant to UV radiation for four month that is a period when it has to be protected from direct exposure to solar radiation.

#### Physical and technical specifications

DECLARED CHARACTERISTICS ACCORDING TO EN 13984:

CHARACTERISTIC	PROPERTIES	HARMONISED TECHNICAL SPECIFICATION
Reaction to fire:	E	EN 13501-1; EN 11925-2
Water tightness:	Pass	EN 1928
Equivalent air thickness ( $S_d$ ):	200 m ( $\pm 60$ m)	EN 1931
Resistance to impact:	Npd	EN 12691
Joint peel resistance:	Npd (N)	EN 12317-2
Tensile strength longitudinal:	> 230 N/50mm	EN12311-2
Tensile strength transversal:	> 230 N/50mm	EN 13859-1
Tear strength longitudinal:	> 110 N	EN 12310-2
Tear strength transversal:	> 110 N	EN 13859-1
Resistance to alkalis:	Npd	EN 13984; EN 12311-2
Resistance to aging:	Pass	EN 1296; EN 1931

CHARACTERISTIC	PROPERTIES	HARMONISED TECHNICAL SPECIFICATION
Thickness:	0,2 mm	-
UV stability:	4 months	-
Thermal resistance:	+80°C	-
Application temperature:	+5°C to +40°C	-

## Safety and storage

- Product has to be stored in closed area, with rolls placed horizontally, not exposed to UV.

## Warnings

- The user must check the suitability of the product for the intended use and purpose of the product.
- All the physical and technical specifications listed in this Technical Data Sheet are based on laboratory tests.
- Data and recommendations related to the application and end-use of DRACO products are given in good faith based on DRACO's current knowledge and experience for products that are properly stored and used in accordance with DRACO guidelines.

## Packaging

- Rolls: 1,0 m x 50,0 m