Qu-Pro-300/ Structural Glazing Tape Technical Data

Double Sided high tack acrylic adhesive coated PVC structural spacer glazing tape. This tape is designed for use in structural spacer systems and has an open cell structure to allow the curing of structural silicones on all sides. Fast recovery from compression.

COLOUR

Black / Grey (by special order)

Tested to ASTM E96-2005 water vapour transmission to determine open cell airflow structure

GENERAL CHARACTERISTICS	VALUE	STANDARD
Density	300 kg/m³	---
Tensile Strength	500 kpa min	DIN 53571
Elongation	150% min	DIN 53571
Tear Strength	2.5 kg/cm min	DIN 53515
Compression Set	10% max.	DIN 53572
Final Recovery	90-98%	DIN 53572

Force to compress by 5% (to retain air permeability) 40N/CM²

Water Absorption	8% by volume	
Cold Flexure	-30°C pass	6 mm Madril
Temperature Resistance	-50°C to +60°C	BS 2571
Thermal conductivity	0.19w/(m. K) or 0.16 kcal	
Shore Hardness	75-85	Shore 00 , 35 Shore A
Resistance to Ageing	Excellent	
Resistance to Chemicals: -		
Acid	Good	
Mineral Oil	Good	
Alcohol	Good	
Alkalis	Good	
Petrol	Good	
Soap & Detergents	Good	
Compression required to achieve a Positive waterseal	10%	

ADHESIVE SPECIFICATION : OPEN FACE

CONSTRUCTION	TYPE	
Adhesive	Pure high tack Acrylic	70 gsm

TEST

Adhesive strength	1 minute	21N/25mm
(FINAT TM 1-adhesion	20 minutes	23N/25mm
of polyester 50 um against	24 hours	25N/25mm
stainless steel		
1 kg Static Shear, 25 mm x 25 mm	33 hrs	
Release	15 N/m	
Temperature Range	-20°C to +90°C	

ADHESIVE SPECIFICATION : CLOSED FACE

CONSTRUCTION	TYPE	
Adhesive	Pure high tack Acrylic	50 gsm

TECHNICAL DATA

Carrier	:	None	
Release Liner	:	Filmic Liner: 150 mic at sizes up to 8mm, 80 mic at 9.5mm and 12mm	
Adhesive	:	Pure acrylic	
Adhesive strength		1 minute	14N/25mm
(FINAT TM 1-adhesion		20 minutes	16N/25mm
of polyester 50 um against		24 hours	21 N/ 25mm
stainless steel)			

Resistance to chemicals When correctly applied, resistant against most solvents, mineral oils, fuels, aliphatic solvents, dilute acids, salts and alkalis.

Application temperature >15°C

Shelf life 1 year
(at 20°C and 50% relative humidity)

Flammability

This product is made up from PVC foam coated on both sides with an adhesive. It has not been tested for flammability but can be considered self- extinguishing due to the nature of the components. However, it should be noted that any smoke created would be highly toxic and would emit Hydrogen Cyanide gas during and after burning.

Note

All Technical data is based on average values. By nature of its manufacture, all foam specifications can vary by 10%. Statements, technical information and recommendations contained herein are based on tests we believe to be reliable. The user shall determine the suitability of the product for his/her intended use and the User assumes all risk and liability whatsoever in connection herewith.

Products are manufactured to rigid standards of quality.
To date no known failures have occurred due to the premature ageing of this product.