



Fire retardant & heat resistant

SEALING - FILLING - REPAIRING

DL CHEMICALS
Since 1936 Manufacturer of Sealants

SEALING

Fire retardant spaces are nearly as safe as their weakest link. Therefore it is necessary that in a fire secure environment with adapted wall-, ceiling- and floor covering also the joints are taken into account. At DL Chemicals we take this responsibility seriously and develop high quality sealing products that are resistant against fire and tested according to the strictest standards.

PARASILICO FR



- Neutral fire retardant silicone
- Suitable for sealing joints where high demands are made with regard to fire safety.
- Adheres without primer on almost all building materials
- Product foams up if in contact with fire
- Tested to BS 476: Part 20:1987 and prEN 1366-3:1998 in vertical linear joints up to 50 mm wide

Packing and colour: 25 cartridges of 310 ml per box, white and grey



PARACRYL FR



- Fire retardant water-based non-toxic acrylic sealant
- Can be used for the sealing of connecting joints in the building industry (indoor use), around doors and frames (indoor use), etc. where high requirements are set regarding fire safety
- Ideal for fire rated construction movement joints with an elongation of up to 7.5%
- Suitable for all porous surfaces and metal, ceramic tiles and hard PVC
- Product foams up if in contact with fire
- Tested to BS 476:Part 20:1987 and prEN 1366-3:1998 in vertical joints up to 50 mm wide

Packing and colour: 25 cartridges of 310 ml per box, white



PARABOND FR



- Fire retardant sealant based on MS polymer
- Indoor and outdoor use
- Sealing of joints in plumbing
- Expansion joints in building construction, connection joints on metals, various plastics, concrete, etc.
- Suitable where the joints have to be painted or where silicone sealant is not required
- Adheres to many substrates (porous and non-porous) such as varnished wood, metals and various plastics without an adhesion primer
- Tested according to DS/EN 1366-4:2006+A1:2010 by DBI

Packing and colour: 12 bags of 600 ml per box, grey



TECHNICAL CHARACTERISTICS	PARASILICO FR	PARACRYL FR	PARABOND FR
Skin forming	6 - 7 h	65 min.	90 min.
Shore A	23	32	26
Elastic recovery	>90%	<50%	>60%
Deformation capability	25%	7,5%	20%
Modulus at 100% elongation	0,38 N/mm ²	0,12 N/mm ²	0,7 N/mm ²
Elongation at break	250% (ISO 8339)	180% (ISO 8339)	300% (ISO 37)

FILLING

Heat and fire can spread quickly through the air. Open spaces that are not filled with insulation can form dangerous bridges for the spreading of fire. Cavities around door or window frames, pipes, joints >50 mm... can be filled perfectly with an expansive PU-foam and thus guarantee the integrity of your fire safe room.

PARAFOAM FR (NBS)



- Fire retardant PU foam
- Filling, insulating and sealing of cracks, joints and gaps
- Cured foam can be cut, sawed and plastered
- Excellent adhesion on concrete, brickwork, stone, plastering, metals, wood and synthetics
- High volume
- Free of CFK and HCFC
- Fire resistance up to 4 hours
- NBS gun foam or with standard hand held adapter: Fill the joint up to 60% for hand held foam and 70% for NBS gun foam
- Tested for use in fire resistant linear joint seals according to norm DIN 4102-1 class B1 Depending on the specific linear joint seal design, a fire resistance of up to 240 min. is achievable. TÜV Classification Report TEK 240/18

Packing: 12 foam cans of 750 ml per box



TECHNICAL CHARACTERISTICS	PARAFOAM FR NBS	PARAFOAM FR
Yield (750 ml) (TM 1003)	40 - 45 l	35 - 40 l
Tack free after (TM 1014)	6 - 10 min.	8 - 12 min.
Can be cut after (TM 1005)	< 30 min.	< 45 min.
Thermal conductivity (EN12667, TM1020)	0,03 W/mK	0,033 W/mK



HEAT RESISTANT PRODUCTS

Heat resistant sealants possess different characteristics than their fire retardant colleagues. Fire retardant products convert their elasticity in a fireproof connection above 100°C. Heat resistant sealants remain elastic at very high temperatures and keep their original characteristics when cooled down again.

PARASILICO HTR N/E



- Neutral (N) and acetoxy (E) silicone
- Appropriate for high temperatures: 250°C constant and 300°C short term
- Specially designed for joints which are in contact with high temperatures such as ovens, hot plates, motors...
- Very good adhesion on metals (N), various plastics, concrete, ceramics, faience, glass...

Packing and colour: 25 cartridges of 310 ml per box, black

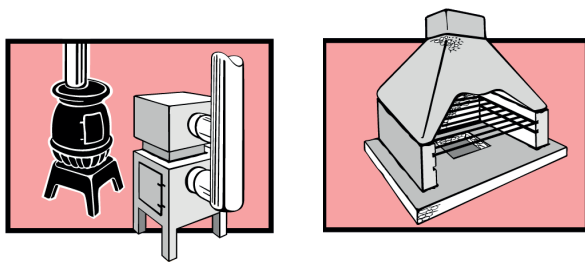


PARAHEAT



- Sealant resistant to high temperatures: up to 1250°C after curing
- Specifically designed for permanently repairing and sealing joints cracks and fissures around fireplaces, fire stoves, chimneys and ovens
- Offers good adhesion to metal, brick and concrete surfaces. No primer needed
- Indoor use only

Packing and colour: 25 cartridges of 310 ml per box, anthracite



Visit our website www.dl-chem.com for more information and technical data sheets of these and other products or contact your sales representative.