Crystal Pro

Clear MS polymer adhesive and sealant

Technical-data revision: Not stated in supplied data

Description

Crystal-clear MS polymer adhesive described for bonding crystal tiles and decorative bricks, with strong adhesion, flexibility and a transparent finish.

Applications

Bonding applications requiring invisible joints and a clear appearance. Colour: crystal clear.

Characteristics

Good mechanical strength; permanently flexible and non-shrinking; no visible staining even on porous substrates; free from isocyanate, solvent and acid; UV and weather resistance; no bubble formation; chemical and crack resistance; primerless adhesion on most surfaces.

Technical properties

Property	Reported value	Scope (GB/T 14683-2014), as printed
Appearance	Smooth paste without bubbles or particles	/
Specific gravity	1.06 ± 0.10 g/cm³	/
Sag	Non-sag	/
Skin time	≤25 min at 23°C / 50% RH	15-25
Full hardening time	15-24 h at 23°C / 50% RH	24-48
Tensile strength	≥0.55 MPa	0.3-0.6
Elongation at break	≥400%	300-400
Hardness	26 Shore A	23-26
Processing temperature	4°C to 40°C	4°C to 40°C
Temperature resistance	-40°C to 260°C	-40°C to 260°C
Extrusion rate	380 g/min	230-380

Reference-scope numbers are reproduced as supplied; where their units are unstated, no units have been inferred.

Packaging and storage

Not stated in the supplied technical data. No storage conditions or shelf-life period are stated in the supplied technical data.

Confirm the reported 260°C upper temperature limit before high-temperature use. The reported full-hardening time and reference-scope range differ; confirm curing requirements for the application.

Limitations

The information is offered in good faith and is not legally binding for every processing, application or handling condition. Users should perform their own tests to determine suitability for the intended use and environment. Technical changes and improvements may occur.

Technical values and method references are reproduced from provided product data. No independent verification or certification is represented.

This is a TDS, not an SDS or certificate. Obtain and read the matching SDS before use.