+7% growth of the average weighted supply price since the beginning of the year A reduction in the number of transactions by **one third** compared to H1 2019.



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PRIME RESIDENTIAL REAL ESTATE MARKET MOSCOW

H1 2020





Andrey Solovyev Director of City Sale Department, Knight Frank

"The sales in the Moscow high-end residential real estate market reduced in Q2 as expected. However, buyer interest remained stable at a high level. The second half of 2020 will be indicative of all segments as we will see how the market will recover after the restrictive measures are lifted. We will be able to assess the crisis effect in full only in future periods. Development activity will be one of the demand-supporting factors: after the Q1 slack, still several new projects appeared on the market and a number of other complexes, which were postponed earlier, are planned in the near future. Our forecasts regarding prices have not changed, and we expect their growth by 5-7% by the end of the year unless the indicators are adjusted due to the release of large complexes at a low price. The highend segment is traditionally less affected by crises, which is proved by the previous years experience. We soon expect the market to return to the «normal» condition although with updated requirements for a number of parameters".

Key findings

- A reduction in the number of transactions by one third compared to H12019.
- Growth of the average weighted supply price to 864,000 rubles per sq. m (+ 7% since the beginning of the year).
- The trend for interior finishing has survived: half of all January-June transactions included this option.

Supply

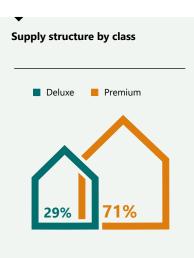
The offer volume in the elite market, supported by the release of several new projects and the return to the market of one of the already known projects, together with a small number of transactions in the II quarter, amounted to about 2.6 thousand apartments and apartments with a total area of 317 thousand square meters at the end of the half year. Compared with Q1 2020, the number of units on show has increased by 3%. In annual dynamics, the indicator growth is more significant: almost 17% (compared with H1 2019), as certain large projects entered the market in H2 last year.

Key indicators. Dynamics

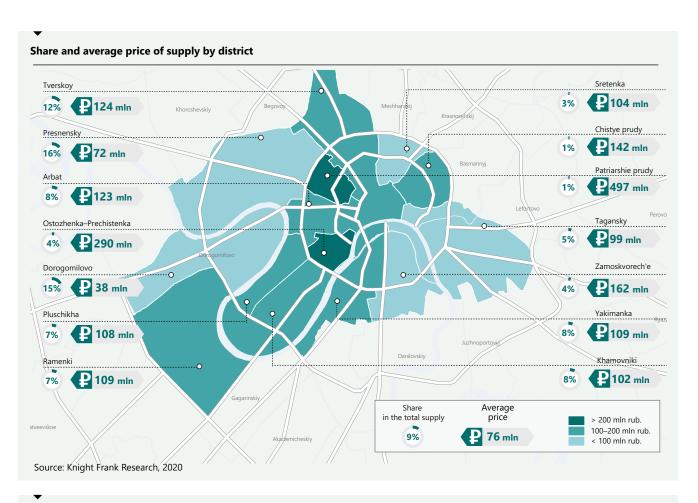
| Supply | Deluxe | Dynamics* | Premium | Dynamics* |
|-----------------------------------|--------|------------|---------|------------|
| Total supply, pcs. | 740 | -6% | 1,840 | 1% |
| Average price, thousand rub./sq m | 1,253 | 8% | 642 | 6% |
| Average area, sq m | 156 | 3% | 109 | -2% |
| Average price, mln rub. | 195 | 12% | 70 | 4% |
| Demand | Deluxe | Dynamics** | Premium | Dynamics** |
| Total supply, pcs. | 80 | -47% | 280 | -29% |
| Average price, thousand rub./sq m | 1,007 | 13% | 544 | -5% |
| Average area, sq m | 156 | -2% | 113 | 9% |
| Average price, mln rub. | 157 | 10% | 62 | 4% |
| | | | | |

* H1 2020 / H2 2019 ** H1 2020 / H1 2019

Source: Knight Frank Research, 2020







New projects in H1 2020

| Name | Address | Class | Devel- oper | Property Type | Number of units | Market Launch | Finishing | Commis- sioning Date |
|---------------|-----------|---------|----------------|------------------|--------------------|------------------|--------------|----------------------------|
| Private sales | Tagansky | Premium | | apartments | | June 2020 | Finish | |
| Private sales | Yakimanka | Deluxe | | flats | | May 2020 | No finishing | |





Two new projects appeared on the market in April - June. Both complexes are now being sold in terms of private sale: one of them is a Deluxe complex in Yakimanka, the second - a Premium class complex in Tagansky district of Moscow.

The Presnensky district is one of the three top locations in terms of the supply concentration as about 16% of all flats and apartments on the market are accumulated according to the results of six months. The location has occupied the top of the rating since the beginning of last year after the release of the Lucky residential quarter. Dorogomilovo takes the second place (15% of the supply) where the largescale Poklonnaya 9 project is currently being implemented. Tverskoy district, characterized by the largest number of new buildings among other locations, closes the top three (12% of the supply).

There were no significant changes in the offer structure for the first 6 months of 2020. The majority of the flats and apartments sold in the Deluxe segment is within the range of 100–150 sq. m, while in terms of budgets two ranges almost equally dominate: 100-150 mln rubles and 50-100 mln rubles. As for the Premium class, about a quarter of the offer is formed by units of 50 to 100 sq. m. and worth 30 to 60 mln rubles.

Primary market supply structure. Deluxe

| | Up to 50 mln rub. | 50–100 mln rub. | 100–150 mln rub. | 150–200 mln rub. | Over 200 mln rub. |
|----------------|----------------------|--------------------|---------------------|---------------------|----------------------|
| Up to 100 sq m | 3.4% | 10.4% | 6.4% | 0.9% | 0.1% |
| 100–150 sq m | 0.0% | 12.9% | 14.6% | 4.6% | 3.9% |
| 150–200 sq m | 0.0% | 0.9% | 6.6% | 7.7% | 8.4% |
| 200–250 sq m | 0.0% | 0.1% | 0.7% | 2.3% | 7.6% |
| Over 250 sq m | 0.0% | 0.0% | 0.1% | 0.1% | 8.0% |

Source: Knight Frank Research, 2020

Primary market supply structure. Premium

| | Up to 30 mln rub. | 30–60 mln rub. | 60–90 mln rub. | 90–120 mln rub. | Over 120 mln rub. |
|---------------|----------------------|-------------------|-------------------|--------------------|----------------------|
| Up to 50 sq m | 5.0% | 2.1% | 0.0% | 0.0% | 0.0% |
| 50–100 sq m | 10.2% | 25.5% | 4.2% | 0.7% | 0.0% |
| 100–150 sq m | 0.0% | 6.9% | 15.9% | 8.6% | 2.3% |
| 150–200 sq m | 0.0% | 0.0% | 5.4% | 5.6% | 3.1% |
| Over 200 sq m | 0.0% | 0.0% | 0.0% | 0.3% | 4.2% |

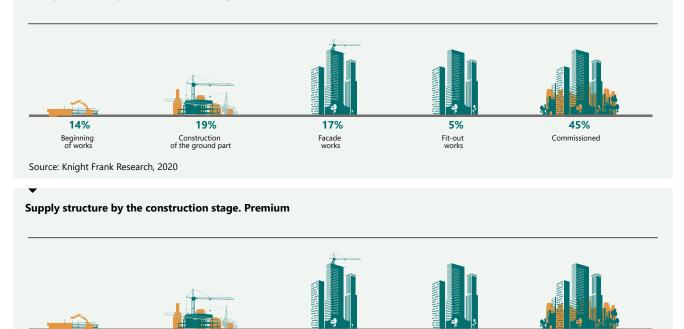
5%

Fit-out works 31%

Commissioned

Source: Knight Frank Research, 2020

Supply structure by the construction stage. Deluxe



Source: Knight Frank Research, 2020

51%

Construction of the ground part

10%

Beginning of works

4

3%

Facade works

Demand

The "quarantine" months resulted for the high-end market in an almost twofold reduction of transactions. Despite the increased number of incoming calls / requests for house-buying during these months, just some of them turned into factual transactions. It was first affected by restrictions in the work of the MFCs and Rosreestr (Federal Agency for State Registration, Cadastre, and Cartography), the impossibility of walk-throughs, as well as the buyers' unwillingness to enter into transactions remotely.

It is worth noting that developers quickly adapted to new conditions: flat/apartment online showing, video tours or 3D tours have become available for most facilities. which allowed the customers to see the unit from the inside without visiting it. This option is only partly new: some developers provided it even before guarantine. The interest from the buyers' side was rather high and virtual tours were very popular. However, if to speak about the expensive segment, it is important for customers to see the unit with their own eyes at first and only then make a deal. Therefore, even considering restrictive measures, many of them preferred to visit the facilities wearing masks and gloves and only then make the final decision whether to buy or not.

For instance, about 130 flats and apartments were sold in the segment during Q2 2020, which is almost twice lower than in Q2 2019 (-57% in annual dynamics). In general, the total number of transactions for H1 2020 amounted to about 360 transactions, i.e. one third lower than in H1 2019. We estimate that in case of good market recovery rate, a significant part of the pre-existing deferred demand will be realized by the end of the year, which will allow us to even the "failure" of April-June transactions.

Customer preferences have changed very little over the previous months. Following the half-year outcomes, Presnensky (19% of all transactions) and Ramenki (16% of all transactions) districts were most popular. Moreover, our forecasts regarding Dorogomilovo district turned out to be true and this location also entered the top three (14% of all transactions). Thus, almost half of all flats and apartments sold in the Moscow high-end real estate market were located in the above three districts.

The trend for interior finishing has also survived: 49% of all units sold in the H1 2020 included this option. Their share in the total volume is likely to decrease by the end of 2020 but we expect that the amount will be higher compared to previous periods. The share of transactions that included finishing was 35% by the end of 2019 and 24% by the end of 2018.

Primary market transactions structure. Deluxe

| | Up to 50 mln rub. | 50–100 mln rub. | 100–150 mln rub. | 150–200 mln rub. | Over 200 mln rub. |
|----------------|----------------------|--------------------|---------------------|---------------------|----------------------|
| Up to 100 sq m | 4.8% | 13.3% | 3.6% | 0.0% | 0.0% |
| 100–150 sq m | 0.0% | 18.1% | 9.6% | 7.2% | 0.0% |
| 150–200 sq m | 0.0% | 1.2% | 7.2% | 4.8% | 8.4% |
| 200–250 sq m | 0.0% | 0.0% | 1.2% | 3.6% | 7.2% |
| Over 250 sq m | 0.0% | 0.0% | 0.0% | 0.0% | 9.6% |

Source: Knight Frank Research, 2020

Primary market transactions structure. Premium

| | Up to 30 mln rub. | 30–60 mln rub. | 60–90 mln rub. | 90–120 mln rub. | Over 120 mln rub. |
|---------------|----------------------|-------------------|-------------------|--------------------|----------------------|
| Up to 50 sq m | 1.1% | 1.1% | 0.0% | 0.0% | 0.0% |
| 50–100 sq m | 14.2% | 25.6% | 1.4% | 0.0% | 0.0% |
| 100–150 sq m | 0.0% | 13.9% | 19.2% | 4.3% | 0.0% |
| 150–200 sq m | 0.0% | 0.4% | 6.8% | 5.7% | 2.5% |
| Over 200 sq m | 0.0% | 0.0% | 0.0% | 1.1% | 2.8% |



Due to the pandemic, the issue of health and safety appeared to be one of the most important, so buyers started to pay more attention to engineering systems of the projects. First of all, they are interested in their quality component and the availability of treatment and filtration systems. Individual conditioning is also important. Many customers invite independent engineers to visit the facility to have a deeper and more detailed understanding of the issue. The new time is also characterized by the need of a terrace or balcony, a private retreat and/or a study.

| Presnensky | Dorogomilovo | Tverskoy | | Other | |
|------------|--------------|---------------------|------|-------|-------------------------|
| | | 7.4% | | 6.6% | |
| 18.7% | 13.7% | Tagansky | Yaki | manka | Khamov niki |
| Ramenki | Arbat | 6.0% | 4.9% | | 4.1% |
| | | Zamoskvo- rechye | Sret | enka | Ostozhenk Prechisten |
| 15.7% | 10.2% | 5.5% | | | |

Source: Knight Frank Research, 2020

Dynamics of the number and average value of transactions by segments



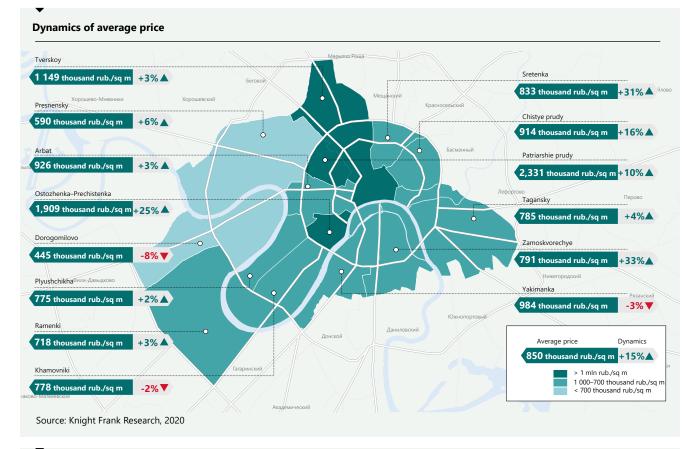
Source: Knight Frank Research, 2020

Leading projects



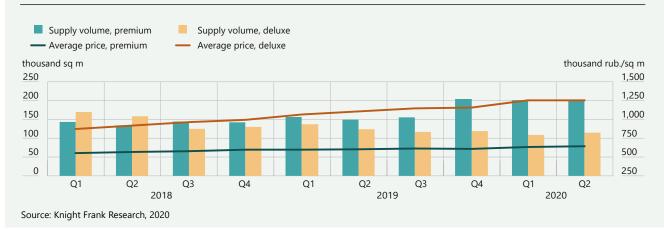
Prices

The review of the indicators dynamics in the long term shows a clear general trend of an increase in the average weighted offer price. There was a decrease due to the market launch of a large Premium class project in Dorogomilovo in Q4 2019. At the end of June, the average weighted price in the high-end market amounted to 864,000 rubles per sq. m, which is 2% higher than in Q1 2020. The price has increased by 7% since the beginning of the year. Over the past months, the main fluctuations in prices both in the Deluxe segment and in the Premium class real estate were associated with the improvement of the project stages as well as with the changes in the offer structure. Since the market has almost completely switched to ruble pricing, the impact of the USD/RUB exchange rate growth has been a relatively unsignificant factor and reflected only on the Deluxe segment. In terms of segments, the price per square meter for Deluxe class in June reached 1,253,000 rubles (+ 8% since the beginning of the year) and for the Premium class – 642,000 rubles (+ 6% since the beginning of the year). Patriarshie Prudy remains the most expensive district of the capital with the average price of a "square meter" more than 2 million rubles. Since the beginning of the year, a 10% increase in the indicator was recorded in the location, which is explained by the depletion of a certain offer. Currently, only two new buildings are being constructed in Patriarshie Prudy district and any change in the offer structure significantly impacts the average price in the district. As at the end of 2019, Dorogomilovo district remains the most affordable location of the capital: 445,000 rubles per sq. m, where the offer is almost completely represented by the Poklonnaya 9 project.



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The classification of high-end property of Moscow

According to the classification* by Knight Frank, a property can be referred to a certain segment as defined by a number of detailed criteria. Among such there are mandatory criteria, i.e. structure details, unit area, finished lobby and common facilities, safety, etc., as well as a number of optional criteria, namely using a renowned architect, layout and arrangement detail, final finishes and their quality.

It is worth mentioning, that currently the outlines of the residential property classes tend to be blurred, which is why the parameters under consideration have been transforming along with the market.

| Comparison criteria | Deluxe | Premium | | | |
|--|---|--|--|--|--|
| | Mandatory, limiting criteria | | | | |
| Location | Within Central Administrative District. | Preferably within the Third Ring Road. | | | |
| Load-bearing and enclosing structures | Frameless homes from ceramic bricks and solid structures. | d-cast homes with reinforced-concrete frame | | | |
| Efficiency factor (gross-to-usable area coefficient) | Not more than 0.65 | 0.65–0.7 | | | |
| Number of flats per level | under 4 | under 6 (rarely under 8) | | | |
| Ceilings | over 3.2 m high | over 3 m high | | | |
| Average unit area within project | 110+ | 90+ | | | |
| Parking parameters | Indoor, ground-level / underground, heated parking, preferably with a car wash. Available access for the residents: flat – elevator – parking. 1.5–2.0 car spaces per flat. | Indoor, ground-level / underground, heated parking. Available access for the residents: flat – elevator – parking. 1.0–1.5 car spaces per flat. | | | |
| Windows | Top priced up-to-date foreign-made fiberglass energy efficient glass. | s and wooden shapes, with soundproof and | | | |
| | High-quality custom finishes thoroughly thoug | ght through. | | | |
| Finished lobby and common facilities | Materials: noble woods, genuine marble, travertine, porcelain stoneware, stained-glass glazing, metal panels. | Materials: wood, porcelain stoneware, stained-glass glazing, metal panels. | | | |
| Safety | Cutting edge safety systems. Fire safety system information and response to system failures an | | | | |
| | Optional criteria | | | | |
| Architecture | Individual custom architecture design. The facade of the property has been thoroughly thought through taking into consideration the specifics of the terrain and surrounding landscape. Designed by a renowned architect / architecture bureau on the part of facades and floor planning. | | | | |
| | European format – guest and private zones. Guest zones – hall, guest WC, kitchen, and living room close to entrance. | | | | |
| Layout and arrangement | En-suite bathrooms, guest WC. | | | | |
| | Wardrobes, laundry rooms, storage rooms; en- | -suite wardrobes. | | | |
| Final finishing of flats | None or exclusive finishes (according to a custom design, with exclusive finishing materials). | None or high-quality finishes (according to a custom design). | | | |

* The overview includes a short version of the Moscow High-end Real Estate Classification. You can request your copy of the full document by filling out a form at kf.expert.

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